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IESA India Energy Storage Alliance

भारी उद्योग मंत्रालय MINISTRY OF HEAVY INDUSTRIES

MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY

Office of the Principal Scientific Adviser to the Government of India

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IESW 2024
India Energy Storage Week
July 1st - 5th 2024 | New Delhi

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 HIGHLIGHTS

- IESA - Industry Excellence Awards 1st July 2024
- 3rd India Battery Safety Forum 1st July 2024
- CXO Roundtable 1st July 2024
- Women in Energy Roundtable, leadership talk & networking Dinner 2nd July 2024
- Start-Up Day (Tech Ignition session, Pitch Session, Investment talk) 2nd July 2024
- Pre-Schedule B-B Meeing 1st-2nd July 2024
- Founders Roundtable 2nd July 2024
- Future Energy Learning Centre (FELC) 1st-2nd July 2024
- LDS Round Table & Networking Dinner 3rd July 2024
- Workshops by WRI, Shakti Foundation 1st - 4th July 2024

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Ender

Date	Main Conference Hall **Amaltas Hall - Conference Room (B1)**	Seminar Hall **EXPO Hall 1B**	Roundtable Room **EXPO Hall 1B**
1st July	**India EV Day Conference** (10:00 – 18:00 IST)	**Future Energy Learning Centre (FELC)** in association with ISA (11:00 – 13:00 IST)	
		3rd India Battery Safety Forum in association with ULSE (14:00- 16:30 IST)	**CXO Roundtable** (17:00- 18:30 IST)
	7th IESA Industry Excellence Awards & Gala Dinner (19:00 HRS IST onwards)		
2nd July	**India Battery Manufacturing Day** Conference (10:00 – 18:00 IST)	**Start-Up Pitch Session** (11:00 - 13:00 IST)	**Workshop on Battery Circularity in India** (co-organized with *WRI*) (11:00 - 13:00 IST)
		Industry Workshop for EV Battery Supply Chain in association with Shakti Foundation (14:00 – 16:00 IST)	**Founders Roundtable** (14:00 - 15:00 IST) **Tech Ignition Session** (15:00 - 15:45 IST) **Investors Talk** (15:45 - 16:30 IST)
		Future Energy Learning Centre (FELC) in association with ISA (16:00 – 17:30 IST)	**Women in Energy Roundtable** (16:30 - 18:00 IST)
	Women in Energy Felicitation, Leadership Talk and Networking Dinner, Supported by IGEF (18:30 IST onwards), Amaltas Hall, IICC)	**Founders Networking Dinner** (19:30 IST onwards), Amaltas Hall, IICC	
3rd July	**India Stationary Storage Day** Conference (10:00 – 18:00 IST)	**IESA-DST 3rd Stakeholders Meeting on Rapid Prototyping Centres for Battery Innovation** (14:00- 16:00 IST), Kenar Hall (403), IICC	
		LDES Roundtable, Supported by LDES Council (16:30- 18:00 IST), Kenar Hall (403), IICC	
		Happy Hours & Networking Dinner for LDES Roundtable Participants (18:30 IST Onwards), Amaltas Hall, IICC	
4th July	**India Green Hydrogen Day** Conference (10:00 – 18:00 IST)	**Roundtable on Green Hydrogen Growth: Sub-National Dialogue on Catalysing Change for Addressing Growth Hurdles** (co-organized with *WRI*) (11:00 - 13:00 IST), Kenar Hall (403), IICC	
	Knowledge Session on **Green Hydrogen Certification for Export to EU** (12:15 - 13:15 IST) *by IGEF-SO*		
5th July	**Tech Tours** *(On registration and approval)*	• Track 1: BSES Rajdhani + Lohum • Track 2: BSES Yamuna + ICAT	

India EV Day (1st July 2024) Conference Program

Time (HRS IST)	Session	Topic	Speakers
09:00 –10.00		**Registration**	
10:00 – 11.05	Inauguration Session	**India's Roadmap for Vehicle Electrification** • 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.	• **Shri Sunil Barthwal,** Secretary, Ministry of Commerce, and Industry • **HE Mr Philip Green OAM,** Australia's High Commissioner to India • **HE May-Elin- Steiner,** Ambassador of Norway to India • **Dr. Hanif Qureshi,** Additional Secretary, Ministry of Heavy Industries • **Sudhendu J Sinha,** Adviser (Infrastructure Connectivity & E-Mobility), NITI Aayog • **Vishal Kapoor,** CEO, Energy Efficiency Services Limited (EESL) • **Vikram Gulati,** Country Head & Executive V.P. (Corporate Affairs & Governance) Toyota Kirloskar Motor • **Rubin Pather,** Chief Operating Officer, Reliance Jio-BP • **Swadesh Srivastava,** Head, Emerging Mobility Business Unit, Hero MotoCorp • **Stephen Fernands,** President, Customized Energy Solutions • **Dr. Rahul Walawalkar,** President & MD, CES India & President, IESA
11:05 –11.15		**Key Announcement MOU- Product Launches**	
11:15 – 11.45		**Networking Tea and Expo Visit**	
11:45 – 13.00	Panel discussion	**Growth Story of India's Electric Vehicles** • Journey of the Indian Electric 2W, 3W industry • Electric Cars – yet to see mass adoptions In India • Hybrids – the immediate way for decarbonization • Key challenges and opportunities • Investment in EV Start-ups • Entrant of Global EV makers in the Indian market	• **Moderator: Debi Prasad Dash,** Executive Director, IESA • **Vikram Gulati,** Country Head & Executive V.P. (Corporate Affairs & Governance) Toyota Kirloskar Motor • **Suman Mishra,** Managing Director & CEO, Mahindra Last Mile Mobility • **Haresh Bhere**, Chief Technology Officer, Jio-BP Mobility Ltd • **Christine Vincent**, Venture Principal, Shell Ventures • **Vijay Kedia,** Long-Term Investor, Kedia Securities* • **Sri Purisai,** Founder & Managing Director, Chakra Growth Capital • **Shekhar Mishra,** Senior General Manager-EMBU, Hero MotoCorp
13:00 – 14:00		**Networking Lunch and Expo Visit**	
14:00 – 15:00	Panel discussion	**EV Infrastructure – the need of the hour** • Charging Infra – Key enabler for electric 4W and	• **Moderator: Gurusharan Dhillon,** Director, Electric Mobility, IESA & CES • **Awadhesh Jha,** Executive Director, GLIDA • **Vikas Almadi,** Chairman and Managing

		buses in India • Key challenges in the Growth of EV charging in India • Govt policies to support charging infra-adoptions. • Key learning from current installations	Director, VNT • **Inge André Espedal,** Chief Executive Officer, Sagavolt • **Jagjit Singh,** Director of BD, APAC and Global Markets, EVOS Energy Pty • **Anshuman Divyanshu**, Chief Executive Officer - EVSE Division, Exicom • **Varun Shahani,** General Manager-Head Energy Infrastructure, Hero MotoCorp
15:00 – 15:15	Tech Session	Lift Off – Soaring beyond Intercalation – The future is here	• **John Wood,** Chief Executive Officer, Gelion
15:15 – 16:00	Tech Session	**EV Powertrain & EV Components Manufacturing – Opportunity for a Decade.** • Indigenous Powertrain development & manufacturing • Capturing the opportunities • Advanced Materials for EV Powertrain • Battery Packs developments and key learnings • Battery Management System (BMS)	• **Moderator: Dr. Rahul Walawalkar,** President & MD, CES India & President, India Energy Storage Alliance • **Sharan Aiyappa,** OEM Director - Sales & Marketing, MacDermid • **Sebastian Weyermann,** Sr. Business Development Manager-CMD, Thermofisher Scientific • **Vikas Aggarwal,** Managing Director, Ipower Batteries • **Rajiv Kumar Singh,** R&D Lead- Platform, Hero MotoCorp • **Vinay Solanki,** Business Head, Nash Tech Labs.
16:00-16:25	**Networking Tea and Expo Visit**		
16:25-16:30	IEEE Address	Need for Climate Change and Sustainability	• **Dr Saifur Rahman**, Past President, IEEE
16:30 16:45	Tech Session	Automotive Testing and Validation	• **S Ramanathan,** Managing Director, Automotive Test Systems
16:45 – 17:45	Plenary Session	**Panel Discussion: Way Forward to Accelerate Electric Mobility, Manufacturing, R&D and Safe Adoption in India via Innovation** • Export-Import opportunities • Global Partnerships and tech transfer • R&D and Innovation in Battery and Electric Mobility • New Battery Technologies • Driving Innovation for Next-Gen EV with the Power of Virtualization • Vehicle to Grid	• **Moderator: Anjan Merkap,** Engagement Manager, Customized Energy Solutions • **Venkat Rajaraman,** CEO, Cygni Energy • **Sandeep Gambhir,** CEO, Vertelo • **Mukesh Dadhich,** Head-Business Development, Sustainability & Clean Technology, BSES Yamuna • **Utkarsh Mishra**, Global Innovation Portfolio Lead, Hero MotoCorp • **Dr Barry Pearce,** Strategic Key Accounts Manager- Clean Energy, Thermofisher Scientific • **Dr. Desikan Sundararajan,** India MD, Equinor • **Anil Kumar,** Manager Application Engineer, Ansys India
17:45 – 18:00	**Summary of the Day and Vote of Thanks**		
19:00 Onwards	**7th IESA Industry Excellence Awards & Gala Dinner** (*Special address by Suresh Prabhu, Indian politician and Former Cabinet Minister, Gov of India)*		

India Battery Day Conference (2nd July 2024)

Time (HRS IST)	Session	Topic	Speakers
09:00 –10.00		**Registration**	
10:00 – 11.15	Inauguration Session	**India's roadmap for Advanced battery manufacturing** • Government policies to support the manufacturing of batteries (ACC-PLI, Niche PLI, Stationary storage PLI etc.) • Key challenges and bottleneck • Global Partnerships in Manufacturing • Battery Supply chain, raw materials and recycling	• **V.L Kantha Rao,** Secretary, Ministry of Mines • **Rajesh Agrawal,** Additional Secretary, Ministry of Commerce • **Vijay Mittal,** Joint Secretary, DHI, Ministry of Heavy Industries • **Dr R A Mashelkar,** Former Director General, Council of Scientific and Industrial Research (CSIR) • **Vijayanand Samudrala,** President, Amara Raja Batteries Ltd. • **Raj Surendran,** CEO, Tianqi Lithium Australia Energy Limited • **Sadashiv Samantaray, CEO, KABIL** • **Vikram Handa,** MD, Epsilon Carbon • **Debi Prasad Dash,** Executive Director, IESA • **Rajat Verma,** Founder and CEO, LOHUM • **Rakesh Malhotra,** Founder, Livguard Energy • **Dr. Rahul Walawalkar,** President & MD, CES India & President, IESA • **Mr. Hiren Pravin Shah,** Executive Director & CEO, Replus Engitech
11:15 - 11:45	**Networking Tea and Expo Visit**		
11:45 – 12.45	Panel discussion	**Battery Cell Manufacturing, Upcoming Giga Factories and Other Advanced Battery Manufacturing** • 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	• **Moderator: Dr. Rahul Walawalkar,** President & MD, CES India & President, IESA • **Niranjan C.,** Chief Operating Officer, Amara Raja Batteries Ltd. • **Anil Kumar,** Chief Operating Officer, Nash Energy • **Vishal Chaturvedi,** Business Head - Ola Cell, Ola Electric • **Avishek Kumar,** Co-Founder and CEO at VFlowTech • **Sriram Ramanoudjame,** Director, Strategic Marketing, Blue Solutions • **Anant Misra,** Vice President - EV Business, Livguard Energy • **Arvind Kakru,** VP – Industrial Automation, Schneider Electric • **Oda Marie Ellefsen,** Technical Sales Manager, Morrow
12:45 – 13:00	Tech Session	**Battery manufacturing quality assessment and failure analysis solutions**	• **Victoria Pope,** Global Sales Development Manager, Clean Energy, Thermo Fisher Scientific
13:00 – 14:00		**Networking Lunch and Expo Visit**	

14.00-15.00	Panel discussion	**Battery Component Manufacturing & Manufacturing Process** • Why India Should focus on Graphite. • Upcoming Anode and cathode manufacturing • Electrolyte, Separator, Adhesive, Binders • Global opportunities • Manufacturing process • Automation	**Moderator: Debi Prasad Dash,** Executive Director, IESA • **Akash Saraf,** Manufacturing & Supply Chain Consultant, Customized Energy Solutions • **Sunit Kapur,** Chief Executive Officer, Epsilon Advanced Materials • **Puneet Thakur,** Head of Invest In and Innovation Collaboration, Business Finland • **Kirti Varma,** Co-Founder & COO, ALTMIN • **Harin Kanani,** MD, Neogen Chemical • **Kunal Daga,** Founder & Director, Molsynth • **Srivats Gopalan,** Lead, CAM & PGM, Lohum
15.00-16.00	Panel Discussion (Supported by Western Australia)	**Optimizing Battery Supply Chains: Raw Materials Availability and Global Partnership with Western Australia**	• **Session Chair: Dr. Veena Kumari Dermal,** Joint Secretary, Ministry of Mines • **Session Co-Chair**: **Nashid Chowdhury**, WA Trade & Investment Commissioner, Government of Western Australia • **Moderator: Rohit Laumas**, Mining & Supply Chain Consultant, CES • **Raj Surendran,** CEO, Tianqi Lithium Australia Energy Limited • **Debashish Nanda,** Director**,** Business Development, Coal India Ltd • **Naresh Lalwani** - Executive Vice President, JSW Energy Ltd • **Dr. K. Balasubramanian**, Principal Investigator & Director, NFTDC, Hyderabad
16:00 – 16:30	**Networking Tea and Expo Visit**		
16:30 - 16:45		Recent Innovations in Analytical Technologies for Battery Manufacturing and Quality Control	• **Dr Kyle D'Silva,** Director, Clean Energy, Analytical Instruments Group, Thermofisher Scientific
16:45 – 17:45	Plenary Session	**Battery Recycling (Key government policies market dynamics, BWMR and EPR guidelines for Recycling, refurbishment and Second Life)** • Global Recycling Market • Key challenges and opportunities • Import-export scenario • Battery waste collections, Black mass production • Recycling technologies to get metal salts • Battery Second life	• **Moderator: Bhupesh Verma**, Manager, Market Research, CES & IESA • **Dr. Sandip Chatterjee**, Sr. Director, Ministry of Electronics and Information Technology (MEITY)* • **V P Yadav,** Scientist E & DH, Central Pollution Control Board • **Pratyush Sinha,** VP- Special Projects, Lohum • **Deepak Mohapatra,** Senior Officer – Business and Market Development, Alliance for Rural Electrification (ARE) • **ALN Rao,** Consultant-circularity & Sustainability in E-waste, Battery, Plastic and Critical Minerals • **Dr Debaraj Mishra,** Managing Director, Sangeel India Recycling
17:45 –	**Day Summary of the Day and Vote of Thanks**		

18:00			

India Stationary Energy Storage Day (3rd July 2024)

Time (HRs IST)	Session	Topic	Speakers
09:00 –10.00		**Registration**	
10:00 - 11:15	Inauguration Session	**Energy Storage for 500 GW Renewable, Grid Modernization, and Decarbonization of the C&I Sector** • Key central & state government policies • Industry adoptions • Role of energy storage in the electricity value chain • BESS systems for Indian Grid • Other form of Energy storage beyond batteries	• **Bhupinder Singh Bhalla,** Secretary, Ministry of New & Renewable Energy • **Ghanshyam Prasad,** Chairperson, CEA, Ministry of Power • **Jishnu Barua,** Chairperson, Central Electricity Regulatory Commission • **Gauri Singh,** Deputy Director-General, International Renewable Energy Agency (IRENA) • **Dinesh Jagdale,** Joint Secretary, Ministry of New and Renewable Energy • **R P Gupta,** Chairman & MD, Solar Energy Corporation of India (SECI) • **Rajnath Ram,** Adviser (Energy), NITI Aayog • **Hemanth Pandey,** Chief Engineer, Ministry of Power* • **David Pearce,** General Manager, Sales & Distribution, Kardinia Energy • **Thomas Coughlin,** President, IEEE • **Akash Kaushik,** Co-Founder, Good Enough Energy • **Dr. Rahul Walawalkar,** President & MD, CES India & President, IESA
11:15 - 11:30		**Networking Tea**	
11:30 – 12.30	Panel discussion	**Energy Storage Tender and Projects in India** • Key Learnings from developed BESS projects in India • Upcoming Tenders and projects • Understanding the key bottlenecks in Project development • Learning from the global projects	**Moderator: Harsh Thacker,** Director, Emerging Tech, Customized Energy Solutions • **Satish Talmale,** Chief Operating Officer, Indigrid • **Rupam Raja,** Chief Commercial Officer, Fluence • **Adam Bloom,** CEO, Edina • **Sai Charan Kuppili,** Technical Director, South & Central Asia, Jinko Solar • **Sunil Sharma,** Commercial Executive, BSES Yamuna Power • **Naveen Nagpal, Asst. Vice President** (Renewables, BESS & new initiatives), BSES Rajdhani • SECI/ NTPC/ GUVNL*
12:30 – 13.00	Tech Session	BESS Technology, System Design and Development	• **Akash Kaushik,** Co-Founder, Good Enough Energy • **Rajendra Narkhede**, Senior Vice President, Gexcon
13:00 – 14:00		**Networking Lunch**	

14:00 – 15.00	Panel discussion	**Energy storage for decarbonization of the Commercial & Industrial Sector** • Energy Storage for decarbonization of the C&I sector • BESS for Telecom and data center and Railway • Learning from the current installation • Key Challenges in project development • Capex vs. Opex of such projects	**Session Chair: J K Jethani**, Scientist F, MNRE **Moderator: Netra Walawalkar,** VP, India Markets, Customized Energy Solutions • **Kenneth Bodahl**, CEO, Pixii AS • **A.K. Shukla,** Founder and MD, Sanvaru • **Dr Manne Venkateswarlu,** CTO, Khushmanda Power Ltd • **Rukshan Sheriff,** CEO, Eco33 Pte • **Ankur Arora**, Head of Sales (Critical Power) - India & SAARC, Exicom • **Suhas Sutar**, Vice President, ESS Business, Replus Engitech
15.00-16.00	Panel discussion	**Long Duration Energy Storage Technologies for India** • Key LDES Technologies and it's future • Understanding the key changes • Need for government framework. • Setting up the target for LDES deployment	• **Session Chair: Kuldeep Rana**, Scientist / Director, MNRE • **Session Co-Chair : Saurabh Kumar,** Vice President- India, GEAPP • **Moderator: Nehal Divekar,** Director-Emerging Technologies, Customized Energy Solutions • **Julia Souder,** CEO, LDES Council • **Saurav Mitra,** Director, Market Development, Energy Storage Business, Sumitomo SHI FW • **William Tope,** CEO, LiNa Energy • **Paul Smith,** Senior VP- Global Sales, Energy Dome • **Mukesh Kolhe,** Advisor, Green Gravity
16:00 – 16:30	**Networking Tea**		
16.30-16.45	Special Session	Learning from Global BESS Projects	• **Inder Bhambra,** Chief Business Officer - India Region, Envision Energy
16:45 – 17:45	Plenary Session	**Addressing the Challenges in Rapid Energy Storage Deployment** • VGF scheme for 4000 MWh Energy Storage Projects • Energy Storage for Peak shifting, RE-RTC, FDRE • Key financing challenges • Modernizing the electricity grid • Central govt. policy framework & state level support	**Session Chair: Rajesh Kumar,** Chief Engineer, Energy Storage Systems, CEA, Ministry of Power **Co-Chair: Sushanta Chatterjee**, Chief - Regulatory Affairs, CERC **Moderator: Vinayak Walimbe,** VP- Emerging Technologies, Customized Energy Solutions • **Peter Mockel,** Principal Industry Specialist, IFC • **Mr. Pinaki Bhattacharyya,** Founder, MD and CEO, AmpIn Energy • **Aditya Agrawal,** Head of Battery Business, Waaree Energy • **Professor Scott Hamilton**, Senior Advisor, Smart Energy Council • **Wilhelm Von Butselaar,** VP-APAC Growth, Fluence • **Artur Zawadski,** CEO, Sunrise CSP
17:45 – 18:00	**Summary of the Day and Vote of Thanks**		

India Green Hydrogen Day (4th July 2024)

Time (Hrs. IST)	Session	Topic	Speakers
09:00 –10.00		**Registration**	
10:00 – 11:00	Inauguration Session	**India's Roadmap on Green Hydrogen R&D, Manufacturing & Deployment** • Defining green hydrogen • Role of R&D and innovation • Key challenges in deployment • Global collaboration	• **Mr. Sudeep Jain,** Additional Secretary, Ministry of New and Renewable Energy • **Cristian Valdes Carter, Country** Director & Commercial Counsellor - India, Innovation Norway • **Gagan Bihari Swain**, Director (F&CA). GRIDCO, Odisha • **Rahul Ranjan,** Senior Investment Director, Australian Trade & Investment Commission • **Dr. Anita Gupta,** Head of Scientific Divisions (HOD), DST* • **Dr. Jeewan Prakash Gupta,** Managing Director, Greenstat Hydrogen India Pvt. Ltd. • **Madhav Pai,** CEO, WRI India • **Dr. Rahul Walawalkar,** President & MD, CES India & President, India Energy Storage Alliance (IESA)
11:00 – 11:15		**Networking Tea**	
11:15 – 12:15	Tech Session	**Electrolyzer & BOP Manufacturing Opportunities in India** • Opportunities for electrolysis BoP manufacturing • Updates on the electrolyzers PLI • Components and supply chain • Technology updates • Analytical Technologies for Hydrogen Value Chain	**Moderator- Dr. Ajinkya Kamat,** Sr. Manager, IESA & Customized Energy Solutions • **Shekhar Kashalikar,** Chief Executive Officer, John Cockerill Greenko Hydrogen Solutions • **Siddharth Mayur,** Founder, Managing Director & CEO, h2e Power Systems • **Naveen Goudar**, Managing Director, MKS Atotech • **Daniel Fini,** Director of Engineering, Cavendish Renewables Tech • **Sourabh Narang,** Head-India & South Asia-Materials and Structural Analysis Division (MSD), Thermofisher
12:15 – 13:30	Panel Discussion	Knowledge Session on **Green Hydrogen Certification for Export to EU** (Supported by IGEF- SO)	Opening Remarks and Presentation on the Study and Recommendations for the Development of Internationally Compatible Green Hydrogen Standards in India • **Mr. Krishna Kaant Gupta**, Energy Advisor - Renewable Energy, GIZ Panel Discussion on "Green Hydrogen Certification for Export to EU" **Guest of Honor: Dr. Prasad Chaphekar**, Deputy Secretary, Ministry of New & Renewable Energy

			Moderator: Dr. Deepak Yadav, Council on Energy, Environment and Water **Speakers:** • **Prof. Dr. Aravind Kumar Chandiran**, Department of Chemical Engineering, IIT Madras • **Tapas Kapadia**, CEO, RWE Supply & Trading • **Rimali Batra**, Partner, DSK Legal
13:30 – 14:30		**Networking Lunch**	
14:30 – 14:45	Policy Session	**Hydrogen Valley Innovation Clusters in India to Drive R&D, Manufacturing, & Pilots**	• **Dr. Ranjith Krishna Pai**. Scientist 'F' / Senior Director, DST, Ministry of Science and Technology*
14:45 – 15:00	Tech Session	**Hydrogen Regulations, Codes, Standards, & Safety**	• **Dr. R. Venugopal,** Ex-Joint Chief Controller of Explosives, PESO
15:00 – 15:15	Tech Session	**Green Hydrogen Storage and Transportation**	• **Yngve Schrøder Tufteland,** International Sales Manager, UMOE Advanced Composites
15:15 – 16:15	Panel Discussion	**Global Green Hydrogen Partnership for Growth** • Partnership for growth • Export and import opportunities • Optimizing Electrolyzer Performance with Cutting-Edge Catalysts • Technology collaboration	• **Moderator: Debi Prasad Dash,** Executive Director, IESA • **Nishaanth Balashanmugam,** Country Manager–India, Green Hydrogen Organization (GH2) • **Surbhi Goyal**, Senior Energy Specialist, World Bank • **Manish Sanghai**, Sr. Director, Laboratory Products, Asia Pacific Japan, Thermofisher Scientific
16:15 – 17:30	Plenary Session	**Key Application Areas for Green Hydrogen in the Industrial and Mobility Sector** • Refining • Specialty Chemicals • Fertilizers • Mobility • Steel Sector	**Moderator- Dr Deepak Kundalkar,** Manager - Green Hydrogen Initiatives, Customized Energy Solutions • **Dr. Vishnu Budama,** CEO, Pune Hydrogen Valley • **Shashank** Adlakha Chief Operating Officer, Hygenco • **Aravind Kumar Chandiran,** Associate Professor, Department of Chemical Engineering, IIT Madras • **Dr. Vijay Bhooshan Kumar**, Senior Manager at Advanced Engineering, Ashok Leyland • **Sanjiv Kanwar,** Country Manager, Yara India • **Abhijeet Dande,** Deputy Director, Aker Solutions •
17:30 – 18:00		**Networking Tea**	
17:45 – 18:00		**Summary of the Day and Vote of Thanks**	

❖ All above 4 main conferences are open to all registered delegates

3rd India Battery Safety Forum

1st July 2024, Seminar Hall, 1B, IICC, New Delhi

Opening Panel	14:00 – 14:20 IST	• **Dr. Kuldeep Rana** - Scientist/ Director, Ministry of New and Renewable Energy (MNRE) • **Dr. Suresh Babu Muttana**, Scientist E / Director, Department of Science and Technology (DST) • **Rajnesh Singh** - Director - Ministry of Heavy Industries* • **V. Manjunath**, Regional Standards Manager, South Asia & Sub-Saharan Africa, UL Standards & Engagement Inc (ULSE) • **Neeraj Kushwaha**, Scientist C and Member secretary, ETD 52, Bureau of Indian Standards (BIS) • **Dr. Rahul Walawalkar**, MD, CES India & President, IESA
Current BIS Standards for ESS and Batteries	14:20-14:40 IST	• **Neeraj Kushwaha**, Scientist C and Member secretary, ETD 52, Bureau of Indian Standards (BIS)
Battery Cell level and BESS level safety	14:40-15:00 IST	• **V. Manjunath**, Regional Standards Manager, South Asia & Sub-Saharan Africa, UL Standards & Engagement Inc (ULSE)
Tropical Batteries	15:00-15:20 IST	• **Dr. Suresh Babu Muttana**, Scientist E / Director, Department of Science and Technology (DST)
Requirement of Testing • Power Electronics/ EVs/FC impedance Measurement/Motor testing/Battery testing • Advanced Analytical Solutions for Testing Energy Storage Devices	15:20-16:00 IST	• **Utsav Sharma**, Manager (R&D) - HIOKI India Pvt Ltd • **Rajwar Chandra**, Product Specialist, Agilent Technologies India Pvt. Ltd
Presentation by Battery Manufacturers	16:00-16:15 IST	• AMRARAJA/ Lohum*
Vote of Thanks & Summary of the Day	16:15-16:30 IST	• **Debi Prasad Dash**, Executive Director, IESA

❖ 3rd India Battery Safety Forum is open to all registered delegates

Workshop on Battery Circularity in India:
Policy, Regulations & Implementation Strategies
(Organised by WRI India)

2nd July 2024, Roundtable Room, 1B, IICC, New Delhi

WRI India invites you to a workshop on 'Battery Circularity in India: Policy, Regulations & Implementation Strategies'. The workshop will facilitate a discussion on the existing policies and regulations governing battery circularity in India and gather insights from industry and experts, on policy and regulatory gaps as well as the status of, and challenges in, implementation of systems and processes for battery circularity. Participants will further brainstorm potential solutions and enabling strategies for creating an efficient and circular economy for li-ion batteries in the country.

The workshop on **Battery Circularity in India: Policy, Regulations & Implementation Strategies** will reflect on these challenges and explore potential solutions to promote battery circularity through the supply chain. Bringing together a wide range of industry stakeholders and subject experts, this workshop will provide a unique opportunity for participants to have a timely discussion on the status of battery circularity in India, the key opportunities and challenges facing the ecosystem, and the necessary next steps for optimizing the circularity of the fast-growing battery supply chain.

AGENDA

Time	Session	Details
11:00 – 11:05	Context Setting	Introduction to the Roundtable Discussion
11:05 – 11:15	Opening Remarks	Role of battery circularity in making India a global LIB manufacturing hub • **Chaitanya Kanuri,** Associate Director - Electric Mobility, Sustainable Cities & Transport, WRI India • **Mr. Narayankumar Sreekumar,** Associate Director - Electric Mobility, Shakti Sustainable Energy Foundation
11:15 – 11:35	Research Presentation	Policy and regulatory gaps as well as proposed solutions for enabling battery circularity based on primary and secondary research. • **Mitradev Sahoo,** Junior Program Associate, WRI India
11:35 – 12:50	Roundtable discussion	**Roundtable discussion anchored on the following themes:** • Status of battery circularity in India • Challenges in implementing a circular battery supply chain in India and potential solutions. • Current gaps and missing links in policy, regulations, standards framework, and potential solutions for enabling battery circularity in India.
12:50 – 1:00	Concluding Session	Concluding session and launch of conference proceedings
1:00 PM onwards		Networking Lunch

IESW Start-Up Day

2nd July 2024, 1B, IICC, New Delhi

11:00 – 11:15 IST	Welcome Note & Introduction	• **Vinayak Walimbe**, VP , Emerging Tech, CES
11:15 – 13:00 IST	**NEW ENERGY COMPANY SHOWCASE** Pitch Sessions by 7 start-ups (8 mins to pitch and 7 mins of Q& A)	**Jury Members:** • **Chandrashekhar Chincholkar,** Director of Corporate Advisory, CES • **Christine Vincent,** Venture Principal, Shell Ventures • **John Wood, Founder,** Noab Ventures • **Pratik Agarwal,** Vice President, Singularity AMC LLP • **Rakesh Malhotra,** Founder of SAR Group • **Saiesh Reddy,** Managing Partner, Chakra Growth Capital • **Sandeep Tandon,** National Project Manager, Low Carbon Technology Deployment Project, UNIDO • **Vijay Kedia,** Long-Term Investor, Kedia Securities • **Vinayak Walimbe,** Vice President & Emerging Tech, CES • **Biplab Hazowary,** Manager- Innovation Strategy, Hero MotoCorp
13:00 -14:00 IST	Networking Lunch & Expo Visit	
14:00 - 15:00 IST	**FOUNDERS ROUNDTABLE** Session Topic: Strategies for building resilient startups. Points for discussion • Identifying sources of uncertainty & Building resilience and adaptability • Learning from failure and iteration • Customer retention and continuous product evolution • Leveraging partnerships and financial optimisation • Overcoming scaling hurdles • Performance measurement and sustainable growth practices	Moderated by: **Chandrashekhar Chincholkar**, Director of Corporate Advisory, CES • **Chairperson: Mr. Jeet Vijay,** CEO, Meity Startup Hub • **Co-Chair:** Dr. Aravind Kumar Chandiran, Associate Professor, IIT Madras • **Co – Chair: Faruk Kazi,** PI & Coordinator, VJTI-TBI* • **Co-Chair: Dr. Mrityunjay Suar**, Chairman, BCKIC • **Co-Chair: Rakesh Malhotra,** Founder of SAR Group • **Co-Chair: Dr Saishyam Narayanan,** CEO, IPTIF • **Co-Chair:** Sandeep Tandon, National Project Manager, FLCTD, UNIDO
15:00 - 15:45 IST	**TECH IGNITION SESSION** • 7 Habits of Highly Effective EV Startups • Ansys Sustainability Solution for EV, Battery management, Green Energy and its storage	• **Prasanna Deshpande**, Application Engineering Manager, MathWorks • **Himanshu Chattwal**, Sr. Sales Manager, MathWorks • **Vinay Sawant**, Sr. Simulation Engineer, FEA at 3D Engineering Automation
15:45 - 16:30 IST	**INVESTMENT TALK**	• **Pratik Agarwal**, Vice President, Singularity AMC LLP • **Christine Vincent**, Venture Principal, Shell Ventures
16:30 -18:00 IST	High Tea and Expo Visit	
19:00 IST Onwards	Networking Diner	

❖ This event is only open for registered/ invited start-ups and investors (not open for regular delegates)

IESA-ISA Future Mobility Learning Centre (FELC)

1st-2nd July 2024, Seminar Hall, 1B, IICC, New Delhi

Day – 1, July 01, 2024		
10:45 – 11:00	Opening Remarks	**Dr Mridula Bharadwaj,** Capacity Building Specialist, International Solar Alliance (ISA)
11:00 – 11:30	Advancements in Battery Technologies	**Dr Raghvendra Gupta,** Researcher, IIT Delhi
11:30 – 12:00	Solar + Storage: Need & Significance	**Dr Vikrant Sharma,** Deputy Director, National Institute of Solar Energy (NISE)
12:00 – 12:30	Overview of Green Hydrogen	**Deepak Kundalkar,** Manger – GH2 Initiative, Customized Energy Solutions (CES)
12:30 – 13:00	India Energy Market - Green Open Access	**Nikhil Chauganjkar,** Senior Manager – India Markets, Customized Energy Solutions (CES)
Day – 2, July 02, 2024		
14:00 – 14:30	E-mobility: Current and Future Trends	**Gurusharan Dhillon, Director eMobility,** Customized Energy Solutions (CES)
14:30 – 15:00	EV Charging Infrastructure	**Tyag Dharmik,** Founder, Cubenz Power Pvt Ltd
15:00 – 15:30	Microgrids: Status and Deployment Concerns	**Rupesh Badkhal,** Senior Program Associate, Customized Energy Solutions (CES)
15:00 – 15:30	Need of Centre of Excellence in Battery Engineering	**Ravi Kumar,** Director - COE, Battery Engineering, Atria University

- FELC is open to all registered delegates, exhibitors, and Visitors

Women in Energy Forum

2nd July 2024, 1B Expo Area & Amaltas Hall, IICC, New Delhi

Time	Session	Speakers
04:30 pm - 06:00 pm (Roundtable Room, Exhibition Centre)	**Roundtable Discussion:** **Sustaining Women Participation in the Workforce** 1. Recognizing barriers to women's sustained participation. 2. Creating inclusive workplaces to retain and advance women professionals. **Policy Measures for Ensuring Safety of Women Professionals at Work:** 1. Evaluating current policies' efficacy in safeguarding women. 2. Proposing stronger policies and enforcement to combat harassment and ensure safety. **Skill Development:** 1. Identifying skill gaps hindering women's career growth. 2. Implementing accessible skill development programs to empower women. **Improving Work-Life Balance and Men's Support:** 1. Discussing the impact of work-life balance on women's careers. 2. Engaging men in promoting gender equality and supporting work-life balance initiatives. **Mentorship and Support Networks Within Your Organization**	• **Divya Sharma,** Executive Director, Climate Group • **Mili Majumdar,** Managing Director, GBCI & India Senior Vice President, Innovation and Research, U.S Green Building Council • **Preeti Malhotra,** Co-Owner, Director, Great Place to Work, India • **Dr. Surekha Deshmukh,** Senior Member, IEEE • **Nashid Chowdhury,** Investment & Trade Commissioner, Western Australia • **Monika Rathi,** Country Head – India, Vena Energy • **Mr. Aashraya Seth,** Senior Advisor (Industry, Science and Resources), Australian High Commission
06:00 pm - 06:30 pm	**Tea break**	
06:30 pm - 07:30 pm (Amaltas Hall)	**Leadership Talk** **Sharing Success Stories of Role Models in the Energy Sector** Journey of the Leaders: Challenges Faced and Lessons Learned in the Energy Sector Empowering Future Generations: Inspiring Young Women to Enter the Energy Sector	• **Dr. Veena Kumari Dermal,** Joint Secretary, Ministry of Mines, GoI • **Dhanya Rajeswaran,** Country Managing Director, Fluence India • **Netra Walawalkar**, Vice President, CES India, IESA • **Gauri Singh,** Deputy Director General, International Renewable Energy Agency • **Denise Eaton,** Trade & Investment Commissioner (Resources & Energy), Austrade • **Christine Lins,** Executive Director, Global Women's Network for the Energy Transition
07:30 pm - 08:00 pm		**WE Felicitation ceremony**
08:00 pm onwards		**Networking Reception**

❖ Women in Energy Forum is open to all registered Women Participants

Industry stakeholder consultation workshop: Indian EVs & Battery Gigafactories: Imperatives for a Robust Supply Chain

Powered by CES || Seminar Hall, 1B, Expo Area || 2nd July 2024, IICC, New Delhi

India is on the path to a clean energy transition, targeting a 30% electric vehicle (EV) share in registered vehicles by 2030. This will require approximately 600-785 GWh of lithium-ion batteries (LIB) between 2022 and 2030, for EV batteries and battery energy storage systems (BESS) that are required to power this clean energy transition.

Presently, the EV market in the country in 2023 witnessed a penetration rate of 7% with EV battery demand of around 15 GWh in 2023. The EV market in India is expected to grow at a CAGR of 35% from 2023 to 2032 under the business-as-usual case. High demand for EVs and stationary storage has prompted the government to introduce the ACC PLI Scheme which aims to promote 50 GWh of domestic manufacturing of ACC batteries by 2025. With this Scheme, many existing battery players and new entrants have announced their plans to build giga factories in the country.

With the rise in EV adoption followed by an emphasis on manufacturing domestic gigafactories, it's crucial to check the status and address the associated challenges, especially regarding the materials required for manufacturing EV ACC batteries. For this, an enhanced understanding of the material requirements across the supply chain, from upstream to downstream, is indeed essential for all stakeholders involved.

Customized Energy Solutions (CES), along with its knowledge partner with Shakti Sustainable Energy Foundation, is conducting a comprehensive analysis of EVs & battery gigafactories in India, focusing on understanding India's 2032 and 2047 EV and ACC battery demand forecast and scenarios. Under this initiative, CES is delving into crucial aspects such as EV and battery market forecasts across different EV battery chemistries with a key objective of identifying gaps in the present battery supply chain and providing policy recommendations for increased localization and resilient battery supply chain in India.

As part of this initiative, CES is organizing an industrial stakeholder roundtable workshop during India Energy Storage Week (IESW) on 2nd July 2024 at the India International Convention and Expo Center (IICC), Dwarka, New Delhi. Your insights and suggestions would be invaluable in shaping this discourse.

We cordially invite you to share your expertise and perspectives at this event. Your participation will greatly enrich the discussions and contribute to the formulation of meaningful recommendations.

1:00 – 2:00 pm	**Networking Lunch**	
2:00 - 2:10 pm	**Welcome and Introduction**	• **Harsh Thacker**, Customized Energy Solutions
2:20 – 2:30 pm	**Context Setting Address**	• **Mr. Narayankumar Sreekumar,** Associate Director (Electric Mobility), Shakti Sustainable Energy Foundation
2:20 - 2:40 pm	**Research Presentation** EVs & Battery Gigafactories: Imperatives for a Robust Supply Chain in India	• **Monami Dey/ Parth Pandit**, Customized Energy Solutions
2:40 - 3:00 pm	**Brainstorming Session** Working group formation and brainstorming into groups	• **Parth, Monami, Akshita, Harsh, Rohit, Bhupesh, Anjan**
3:10 – 3:50 pm	**Working Group Presentations** Summary of discussions	• **Monami/ Akshita**
3:50 - 4:00 pm	**Concluding Session**	
	Summarizing Discussions	• **Mr. Rishabh Sethi,** Programme Manager (Electric Mobility), Shakti Sustainable Energy Foundation
	Vote of Thanks	Customized Energy Solutions

Unlocking Battery Innovation:

Stakeholder Meeting on Rapid Prototyping Centre

Roundtable Discussion || 3rd July 2024, Kenar Hall (403), IICC , New Delhi

Modality: in-person only
Venue: Kenar Hall, Room 403, India International Convention Centre, Yashobhoomi, Delhi

This meeting will bring together stakeholders in government, R&D institutions, and companies across the battery value chain, with the goal of developing recommendations for DST on designing initiatives to establish dedicated R&D facilities with infrastructure for advancing Manufacturing Readiness Levels (MRLs) of new battery technologies from lab prototypes to industrial manufacturability. This is the 3rd & concluding Stakeholder Meeting in this series and is being organized by IESA.

Agenda:

14:00 – 14:15	**Chief Guest: Dr. Anita Gupta**, Head, CEST, DST* **Special Guest**: **Manoj Kumar Upadhyay**, NITI Aayog **Special Guest: Dr. N. Kalaiselvi,** Director General, CSIR* **Special Chair: Dr. Vijay R,** Director, ARCI **Special Co-Chair: Dr. Satyanarayana,** Director, IIT Tirupati **Special Chair: Dr. Vijay R**, Director, ARCI **Patron Chair: Dr. Rahul Walawalkar**, President, IESA
14:15 – 14:30	Brief introductions of participants
14:30 – 14:40	Background of Stakeholder Meeting Series, Suresh Babu, DST
14:40 – 14:50	Recap of Meeting 1 (at National Chemical Laboratory) and Meeting 2 (at IIT Tirupati), IESA
14:50 – 15:50	**Roundtable Discussion** **Moderator: Dr. Rahul Walawalkar**, IESA **Key Discussion Points** (to follow from Meetings no. 1 & 2): • Prioritization of technologies, infrastructure and service offerings by Rapid Prototyping Centres (RPCs) • Governance, funding model, operational model for RPCs • Phased approach to establish and grow RPCs. • Best strategic locations for RPCs • How to make RPCs accessible to supply chain SMEs and startups? • Challenge of skilled workforce recruitment at RPCs • Action plan to consolidate stakeholder recommendations for DST **Participants:** • Government agencies, such as DST, NITI Aayog, MNRE, etc. • Academic and research institutions • Cell and battery manufacturers • Materials, supply chain and equipment producer companies • Startups
15:50 – 16:00	**Concluding remarks & way forward** by Chief Guest, Special Guest, Patron Chair, Special Chair

❖ Participation by Invitation only

India LDES Forum

Supported by LDES Council || 3rd July 2024, Kenar Hall (403), IICC, New Delhi

In association with the LDES Council, IESA is organizing a dedicated India LDES Forum to advance the deployment of LDES technologies in the Indian energy storage market.

Structure of the India LDES Forum 2024

Key Discussion Points

- Global LDES technologies readiness and global landscape focused on the markets.
- Understanding the key changes in the growth of LDES deployment in India
- Overall costs for decarbonized buildouts, and planning tools for grid decarbonization through LDES technologies.
- Regulatory support is required for implementing LDES projects in India.
- Setting up the target for LDES deployment for India
- LDES technologies – applications and implementation status
- Future implications and limitations

LDES Roundtable **16:30- 18:00 IST**	**Chair:** • Julia Souder, CEO, LDES Council **Co-Chair:** • Dr.Avishek Kumar, CEO, Vflowtech • Upma Koul, Sr. VP, Energy Storage Business, Sumitomo SHI FW • Paul Smith, Sr. VP, Global Sales, Energy Dome **Key Panellist:** • William Tope, Chief Executive Officer, LINA Energy • Mani Khurana, Sr. Energy Specialist, World Bank • Yashwanth Mahadevan, VP - Sales, APAC, EOSE • Shirish Deshmukh, AGM – Special Projects, Godrej-UEP • Prasad Joshi, Vice President, Greenko • Satish Talmale, COO, Indigrid • Vishal Mittal, Founder, Delectrik Systems Private Limited • Vaibhav Dalvi, DGM, Sales Lead- South Asia, BASF • Dhanraj Biradar, GM, Reliance Industries Ltd. • Akash Kaushik, Founder & Director, Good Enough Energy • Sunil Sharma, GM - Sustainability & Cleantech, BSES Yamuna Power • Samarjeet Thakur, Head-BD, ONGC Tripura Power Company • Amol Sanjore, Head- BESS, Sterling Wilson • Abhishek Shukla, Associate Director – Market Growth, Fluence India • Massimiliano Masperi, Senior Sales Engineer, Energy Dome • Suvendu Lenka, Sr. GM, Reliance Industries Ltd. • Sreekanth C S, General Manager, Sales, APAC, EOSE • Shankar Chelluri, Country Head - India, PR & Communications, Envision • Inder Bhambra, Chief Business Officer – India Region, Envision • Suhas Sutar, Vice President, ESS Business, Replus Engitech • Continum Energy, Cygni, BSES Rajdhani, GRID India, MNRE, Vena Energy, EDINA, Ampin Energy Transition, O2 Power, SECI, NTPC*
18:30 IST Onwards	**Happy Hours & Networking Dinner for LDES Roundtable Participants**

❖ Participation by Invitation only

Roundtable on Green Hydrogen Growth: Sub-National Dialogue on Catalysing Change for Addressing Growth Hurdles

Organized by WRI || Kenar Hall-403 || 4th July 2024, IICC, New Delhi

The Government of India is implementing the National Green Hydrogen Mission, aiming to position the country as a leading producer and exporter of green hydrogen globally. The mission sets an ambitious goal of producing of 5 million metric tons (MMT) annually by 2030. Under the Mission, the Government of India has introduced various incentives, policy mechanisms, and supportive frameworks to encourage green hydrogen production and electrolyser manufacturing. Following these initiatives, several Indian states including Maharashtra, Andhra Pradesh, Uttar Pradesh, Haryana, Punjab, Madhya Pradesh, Himachal Pradesh, West Bengal, Gujarat, Rajasthan, Odisha, Sikkim, Kerala, Tamil Nadu, and Karnataka have undertaken specific steps to facilitate green hydrogen. The states' approaches range from drafting dedicated hydrogen policies to budgetary allocations, and facilitating projects through respective renewable energy policies, and industrial policies.

These state-level initiatives include various incentives targeted at reducing the cost of renewable energy used to produce green hydrogen and green ammonia, as well as measures to develop a robust manufacturing ecosystem for electrolysers and other critical technologies. Accordingly, significant measures have been proposed in various state government policies to enable industry to ramp up green hydrogen production and exports. These include, incentives aimed at reducing the cost of renewable energy encompass various measures such as exemptions on electricity duty charges, cross-subsidy surcharges, additional subsidy surcharges, intrastate transmission charges, and wheeling charges. Additionally, these incentives extend to land allocation, entailing government land provision at subsidized rates, stamp duty exemptions, and exemptions from other local taxes. Further support is provided through assistance and incentives for innovation and research & development, GST reimbursement, employment subsidies, CAPEX subsidies for electrolyzer and equipment manufacturing facilities, subsidies for green hydrogen utilization across diverse applications, facilitation of water infrastructure development, single-window clearance, and transmission connectivity facilitation.

However, further challenges are anticipated as the industry moves towards implementation of projects. Industry stakeholders have highlighted the lack of domestic offtake, availability of land at suitable locations, access to renewable electricity, and availability of critical equipment and associated infrastructure as some of the crucial pieces. These challenges vary by state or region, requiring a tailored policy approach. It will accordingly necessitate close collaboration among industry stakeholders, research institutions, academia, and the relevant government bodies to identify and execute strategic actions.

This roundtable discussion will seek to facilitate the dialogue between government institutions and industry stakeholders, highlighting the key challenges in the implementation of hydrogen projects in the country, and deliberating how state-level policies could facilitate the process. The aim is to have an open and constructive discussion to identify specific bottlenecks and obstacles and suggest concrete steps that could mitigate them.

Time	Session	Details
11:00 – 11:05	Opening Remarks	• **Anuraag Nallapaneni,** Program Manager – Hydrogen, WRI India
11:05 – 11:15	Context Setting	The necessity of a sub-national dialogue for growth of the hydrogen ecosystem in India • **Dipesh Pherwani,** Associate Director – Energy Innovations and Tech, WRI India
11:15 – 11:35	Presentation	**Presentation: WRI India**
11:35 – 12:50	Roundtable discussion	**Roundtable discussion anchored on the following themes:** • Developing Green Hydrogen Infrastructure and Market at the State Level • Enabling Hydrogen Project Development and Market Growth through Collaboration
12:50 – 1:00	Concluding Session	Discussion Summary
1:00 PM onwards		Networking Lunch

IESA
India Energy Storage Alliance

IESW 2024
India Energy Storage Week

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