

भारत सरकार

नवीन और नवीकरणीय ऊर्जा मंत्रालय

Government of India

Ministry of New and Renewable Energy

अटल अक्षय ऊर्जा भवन, केन्द्रीय कार्यालय परिसर के सामने, लोधी रोड, नई दिल्ली -110003

Atal Akshay Urja Bhawan, Opp. CGO Complex, Lodhi Road, New Delhi-110003

No. 238/85/2017-EFM

Date: 16.09.2025

**Subject: Invitation to participate in the Conference on “Energy Storage - Driving the Clean Energy Transition” to be held on 22 September 2025 at MNRE, New Delhi.**

Dear Sir/Madam,

As you are aware that Energy Storage has emerged as a critical enabler of India’s renewable energy transition—supporting grid stability, enhancing reliability, enabling electric mobility, and accelerating progress toward our national clean energy goals.

2. In this context with the aim to bring together leading policymakers, industry stakeholders, researchers, and technologists to deliberate on policy frameworks, technological advancements, manufacturing, and the future roadmap for energy storage deployment in India, the Ministry of New and Renewable Energy (MNRE) is organizing a conference on “**Energy Storage - Driving the Clean Energy Transition**” on the occasion of World Energy Storage Day i.e. on **22<sup>nd</sup> September, 2025** at the **MNRE Auditorium, Atal Akshay Urja Bhavan, New Delhi**. A Concept Note and tentative agenda of the Conference is attached.

3. Shri Pralhad Joshi, Hon’ble Minister for New & Renewable Energy and Consumer Affairs, Food and Public Distribution, and Shri Shripad Naik, Hon’ble Minister of State for New & Renewable Energy and Power have kindly consented to grace the event.

4. We are pleased to invite you to participate in the Conference. A line of confirmation may please be indicated in the following link:

<https://docs.google.com/forms/d/e/1FAIpQLSeMzuzqJPhe8guA9vhUgCqa8-nN-aGA8VslI22LHYcG2fMdUg/viewform>

5. For any clarifications, please feel free to reach out to Mr. Chalapathi Rao, Scientist-D, MNRE, at Mob- 88604 20143, Email: [chalapathi.rao@nic.in](mailto:chalapathi.rao@nic.in).

Yours Sincerely



(J K Jethani)  
Sr. Director

As per attached list

## Conference on “Energy Storage - Driving the Clean Energy Transition” (22<sup>nd</sup> September 2025 at Auditorium, MNRE, AAUB, New Delhi) Knowledge Partner: NETRA

India is experiencing rapid renewable energy growth, driven largely by significant expansion in solar and wind capacity, which in turn is sharply increasing the need for energy storage to maintain grid stability and ensure reliable power supply. India’s renewable capacity reached about 192.5 GW (excluding large hydro) in August 2025, with solar and wind contributing over 91% of this total. Solar installations have surged past 123 GW, with robust growth in both utility-scale and rooftop sectors. Wind stands at around 52.7 GW. The country’s total renewable installations are estimated at 252 GW as of September 2025, ranking India third globally in renewables and have a target of 500 GW non-fossil energy by 2030.

Renewables now account for nearly 46% of the country’s installed power capacity, but their variable output creates significant challenges for grid management, especially during peak demand periods when solar generation drops. Energy storage is essential to time-shift excess generation, stabilize the grid, avoid curtailment, and support higher renewable penetration without blackouts or grid failure.

The Indian energy storage market, particularly the battery energy storage systems (BESS) segment, is undergoing rapid growth driven by the country’s ambitious renewable energy targets and the need for grid stability. The India Battery Energy Storage Systems Market is growing at an estimated CAGR of around 20-22% over the coming years, potentially reaching USD 30 billion by 2030-33. The government strongly supports energy storage through policies like the National Framework for Energy Storage Systems (2023), production-linked incentives (PLI) for advanced battery chemistry cells, viability gap funding (VGF) for standalone projects, and extended transmission charge waivers.

The Central Electricity Authority projects battery energy storage capacity requirements rising from 38 GWh in 2026-27 to over 208 GWh by 2030, with further growth expected towards 2047 aligned with net-zero emission targets. As of August 2025, 76 GWh of BESS Capacity tenders has been shared and 29 GWh is in tendering process. Current Installation capacity has crossed 5000 MWh and expected to add 1.2 GWh by end of this year. The Tenders in India has evolved over time both in quantities and business models including RE-RTC, solar + BESS, FDRE (Peak power supply, Load Following and standalone BESS. Key challenges include supply chain constraints, project execution delays, and weak domestic manufacturing ecosystem, but strong policy impetus and declining battery costs are accelerating deployment.

Overall, India’s energy storage market is poised for transformative expansion fueled by renewable integration, government incentives, technological advances, and growing electricity demand for reliable, clean power supply.

To celebrate World Energy Storage Day, on 22<sup>nd</sup> September, 2025, the Ministry of New and Renewable Energy (MNRE) in association with NetZero Energy Transition Association (NETRA) as Knowledge Partner is organizing a Conference on “Energy Storage - Driving the Clean Energy Transition” focused on energy storage R&D, manufacturing, supply chain, BESS deployment, safety, recycling and circular economy.

# Conference on “Energy Storage - Driving the Clean Energy Transition”

(22<sup>nd</sup> September 2025 at Auditorium, MNRE, AAUB, New Delhi)

**Knowledge Partner: NETRA**

Time	Session Title	Speakers
09:30-09.45 hrs	<b>Registration</b>	
09.45-09.50 hrs	Welcome Remarks	<b>Shri Rajesh Kulhari</b> , Joint Secretary, Ministry of New & Renewable Energy (MNRE)
9.50–11.00 hrs	<b>Panel Discussion – I: Indian Energy Storage policy, market and way forward to accelerate the Deployment</b>	Session Chair: <b>Shri Akash Tripathi</b> , Managing Director, Solar Energy Corporation of India (SECI) <b>Panelists</b> <ul style="list-style-type: none"> <li>• Dr Mridula Bharadwaj, Program Lead - Storage, EV and Green Hydrogen, International Solar Alliance</li> <li>• Mr Satish Talmale, CEO, EnerGrid</li> <li>• Mr Abhishek Ranjan, CEO, BSES Rajdhani</li> <li>• Dr Bharath Kumar Reddy, Director, Evren Energy</li> <li>• Dr Nikit Abhyankar, Director, India Energy and Climate Center, UC Berkeley</li> <li>• Mr Sarit Maheshwari, CEO, NTPC Green Energy Limited*</li> <li>• Mr Debmalya Sen, President, India Energy Storage Alliance</li> </ul> <b>Moderator:</b> Dr. Rahul Walawlakar, President, NetZero Energy Transition Association (NETRA)
11:05 -12:15 hrs	<b>Panel Discussion – II: R&amp;D, Manufacturing, Supply chain &amp; Safety of advanced chemistry battery technologies</b>	Session Chair: <b>Shri Srikant Nagulapalli</b> , Additional Secretary, Ministry of Power <b>Panelists</b> <ul style="list-style-type: none"> <li>• Dr Mohammad Rihan, Director General, National Institute of Solar Energy</li> <li>• Mr Anil Kumar, COO, Nash Energy</li> <li>• Mr Suhas Sutar, President, ESS Business, Replus Engitech</li> <li>• Mr Rajesh Mekat, Sr. Director, Ola Battery Innovation Centre, Ola Electric</li> <li>• Dr Avishek Kumar, Co-founder &amp; CEO, VFlowTech</li> <li>• Prof Yogesh Sharma, IIT Roorkee</li> </ul> <b>Moderator:</b> Shri Debi Prasad Dash, Executive Director, NETRA
<b>Formal Inauguration</b>		
12:30-12:40 hrs	Address by Shri Ghanshyam Prasad, Chairperson, CEA	
12:40-12:50 hrs	Address by Shri Santosh Kumar Sarangi, Secretary, MNRE	
12:50-13.00 hrs	Address by Shri Pankaj Agarwal, Secretary, Ministry of Power	
13.00 -13.15 hrs	Special Address by Shri Shripad Yesso Naik, Hon'ble Minister of State for New & Renewable Energy and Power	
13.15-13:30 hrs	Key Note Address by Shri Pralhad Joshi, Hon'ble Minister, New & Renewable Energy and Consumer Affairs, Food and Public Distribution	
13:30–13:35 hrs	Vote of Thanks	Dr. Kuldeep Rana, Director, MNRE
<b>13:35 hrs onwards</b>	<b>Networking Lunch</b>	