



Webinar on Manufacturing and deployment of battery storage systems 16th December 2021 (9:30 AM - 11:30 AM CET / 2:00 PM – 4:00 PM IST)

Introduction

Government of India has set aspirations of improving energy situation in the country by means of increasing focus on clean energy sources and reducing reliance on imported oil. Some of the most polluted urban areas in the World are in India. To reduce reliance on thermal energy and mitigate air pollution, The Hon. Prime Minister at COP26 UN Climate Summit has announced target of 500 GW of non-fossil capacity of and 50% share of energy needs from renewable energy source by 2030. Given the increase in the RE portfolio, coupled with the intermittent nature of electricity generation from these sources, it is important to integrate battery storage solutions to ensure firm supply. In addition, India is also transitioning towards cleaner modes of mobility to reduce the carbon footprint and reduce the dependence on conventional fuels, whereby storage solutions will have a role to offer.

In order to incentivize domestic manufacturing of battery and reduce dependence on imports, the Cabinet, in May 2021, chaired by the Hon'ble Prime Minister of India, Mr. Narendra Modi, approved the implementation of the Production Linked Incentive (PLI) Scheme - 'National Programme on Advanced Chemistry Cell (ACC) Battery Storage'. The scheme aims to achieve manufacturing capacity of 50 GWh of ACC and 5 GWh of "Niche" ACC with an outlay of INR 18,100 crore (about Euros 2 Billion). This will provide incentives in the form of subsidy to manufacturers, linked with the output to help lower the selling price of cells and become globally competitive.

In order to avail the benefits offered by the scheme, the Ministry of Heavy Industries (MHI), Government of India floated world's one of the largest tenders in October 2021 for setting up manufacturing facilities for National Programme on Advanced Chemistry Cell (ACC) Battery Storage in India. The scheme will be instrumental in putting India on World map in advanced chemistry storage manufacturing. In order to avail the benefits of the scheme, the beneficiary firms will be required to setup an ACC manufacturing facility of minimum 5GWh capacity, with a minimum 60% domestic value addition at the project level within five years. Furthermore, the beneficiary firms have to achieve a domestic value addition of at least 25% and incur the mandatory investment INR 225 crore /GWh (about Euros 25 Million/GWh) within 2 Years (at the Mother Unit Level) and raise it to 60% domestic value addition within 5 Years, either at Mother Unit, in-case of an Integrated Unit, or at the Project Level, in-case of "Hub & Spoke" structure. The amount of subsidy quoted by the beneficiary firm would be subjected to a ceiling of INR 2,000 (about Euros 23/kWh). The tender will help India setup giga scale factories and provide an opportunity to the domestic industry to compete globally.

Target audience

The webinar will target key stakeholders in the energy storage sector, both in India and the EU, i.e., policymakers (in India from the central & state government), equipment manufacturers, technology providers, project developers, consultancy organizations, investors, financial institutions, academic institutions, etc.

The webinar offers an opportunity to the relevant EU players to get a better understanding of the Indian market, the policy and regulatory landscape and possible investment considerations. The webinar will offer opportunities for the EU players to learn more about the 50 GWh storage tender that the Government of India has floated and help them make informed decisions for engaging in the scheme, given the submission is due for December 31, 2021.

The webinar will also present an opportunity for key stakeholders in India to learn more about the expertise available within EU, to explore potential partnerships and collaborations.



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Draft agenda

Time (India- IST)	Agenda
2:00- 2:05 PM	Welcome of participants <i>HE Mr. Ugo Astuto, Ambassador of the European Union to India</i>
2:05 – 2:15 PM	Welcome address: <i>Mr. Arun Goel, Secretary, Ministry of Heavy Industries, Government of India</i>
2:15 – 2:25 PM	Keynote address <i>Mr. Sudhendu J. Sinha, Adviser (Infrastructure Connectivity – Transport and Electric Mobility), NITI Aayog, Government of India</i>
	Presentations: <i>(Moderator: Mr. Amit Kumar, Team leader-EU CECP Project and Leader- Energy at PwC India)</i>
2:25 – 2:35 PM	1. National mission on transformative mobility and key government initiatives to support deployment of EVs and Battery Storage <i>Mr. Randheer Singh, Director - Electric Mobility & Senior team member for Advanced Chemistry Cells Program, NITI Aayog, Govt. of India</i>
2:35 – 2:45 PM	2. Policy and regulatory framework for storage in EU <i>Mr. Gonzalo Fernandez Costa, Policy officer, Directorate-General for Energy, European Commission</i>
2:45 – 3:00 PM	3. Tender for 50 GWh of ACC manufacturing <i>Mr. Sujit Jena, Lead -PPP and batteries, NITI Aayog</i>
3:00 – 3:10 PM	4. Strength within Europe on energy storage <i>Mr. Thore Sekkenes, Program Director, European Battery Alliance (EBA)</i>
3:10 – 3:20 PM	5. European storage market, status of energy storage in Europe and key developments <i>Mr. Patrick Clerens, Secretary General, The European Association for Storage of Energy (EASE)</i>
3:20 – 3:30 PM	6. Role of storage with grid integration/round the clock supply from renewable energy sources <i>Mr. Reji Pillai, President, India Smart Grid Forum (ISGF)</i>
3:30 – 3:40 PM	7. Indian storage market and potential <i>Mr. Rahul Walawalkar, President, India Energy Storage Alliance and Chair, Global Energy Storage Alliance</i>
3:40 – 3:55 PM	Q&A from participants
3:55 – 4:00 PM	Closing Remarks/Vote of Thanks <i>Mr. Matthieu Craye, International Relations Officer at the European Commission, DG Energy</i>