GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES
LOK SABHA
STARRED QUESTION NO. 126
ANSWERED ON 09.12.2025

INDIGENOUS LITHIUM-ION BATTERY MANUFACTURING AND ENERGY STORAGE INITIATIVES

***126. SHRI Y S AVINASH REDDY:**

Will the Minister of HEAVY INDUSTRIES be pleased to state:

(a) whether the Government has announced a 10 gigawatt RFP for grid-scale energy storage systems, if so, the details thereof;

(b) whether the Government is promoting indigenous manufacturing of advanced chemistry cells under the ACC-PLI scheme, and if so, the current and projected production capacity;

(c) whether projected demand for lithium-ion batteries in India is expected to reach 600-900GWh by 2032 and if so, the measures being taken to meet this demand sustainably; and

(d) whether safety standards are being developed for lithium-ion batteries considering application and environmental factors, if so, the details thereof?

ANSWER
THE MINISTER OF HEAVY INDUSTRIES
(SH. H.D. KUMARASWAMY)

(a) to (d): A statement is laid on the Table of the house.

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STATEMENT REFERRED TO IN REPLY TO PART (a) TO (d) OF LOK SABHA STARRED QUESTION NO. 126 FOR 09.12.2025 ASKED BY SHRI Y S AVINASH REDDY REGARDING "INDIGENOUS LITHIUM-ION BATTERY MANUFACTURING AND ENERGY STORAGE INITIATIVES"

(a) & (b): The Ministry of Heavy Industries is administering the Production Linked Incentive (PLI) scheme namely "National Programme on Advanced Chemistry Cell (ACC) Battery Storage," approved in May 2021 with a total outlay of ₹18,100 crore to establish 50 GWh of domestic Advanced Chemistry Cell manufacturing capacity, out of which 10 GWh is earmarked for Grid Scale Stationary Storage (GSSS) applications.

40 GWh capacity has been awarded to four beneficiary firms. Under the PLI ACC scheme, beneficiary-wise details of their projected and current production capacities are as under:

Sl. No.	Beneficiary firms under PLI ACC Scheme	Projected Capacity (in GWh)	Current Capacity (in GWh)
1.	ACC Energy Storage Pvt. Ltd.	5	0
2.	Ola Cell Technologies Pvt. Ltd.	20	1
3.	Reliance New Energy Battery Storage Ltd.	5	0
4.	Reliance New Energy Battery Ltd.	10	0
	TOTAL	**40**	**1**

(c): As per the NITI Aayog report "Advanced Chemistry Cell Battery Reuse and Recycling in India" published in May 2022, under the optimistic scenario, the projected annual demand for lithium-ion batteries is expected to reach about 210 GWh by 2030.

Under the PLI ACC Scheme, the Government is supporting the establishment of 50 GWh ACC capacity. Besides the PLI ACC scheme applicants, at least 10 manufacturers have announced a cumulative capacity of about 178 GWh in the country over the next five years.

(d): Bureau of Indian Standards (BIS) has published the safety standards, prescribing safety requirements and test protocols for lithium-ion batteries as per **annexure.** Further, Ministry of Environment, Forest and Climate Change (MOEFCC) has notified Battery Waste Management Rules, 2022**,** dated 22nd August 2022 for environmental factors.

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ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (d) OF LOK SABHA STARRED QUESTION NO. 126 FOR 09.12.2025 ASKED BY SHRI Y S AVINASH REDDY REGARDING "INDIGENOUS LITHIUM-ION BATTERY MANUFACTURING AND ENERGY STORAGE INITIATIVES"

List of Safety Standards published by BIS

- **IS 18237: 2023**: Safety of Primary and Secondary Lithium Cells and Batteries during Transport.
- **IS 16893 (Part 2) :2018**: Secondary lithium - Ion cells for the propulsion of electric road vehicles: Part 2 reliability and abuse testing.
- **IS 16893 2018 (Part 3):** Secondary Lithium - Ion Cells for the Propulsion of Electric Road Vehicles Part 3 Safety Requirements.
- **IS 16805: 2018**: Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Safety Requirements for Secondary Lithium Cells and Batteries, for use in Industrial Applications.
- **IS 16046 (Part 2) :2018**: Secondary Cells and Batteries containing Alkaline or other Non-Acid Electrolytes – Safety Requirements for portable sealed secondary cells and for batteries made from them for use in portable applications Part 2 Lithium systems.

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