

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2538
ANSWERED ON 17/12/2024

PLI SCHEMES FOR RENEWABLE ENERGY MATERIAL

2538. SHRI M. MOHAMED ABDULLA

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the number of local manufacturing companies involved in producing materials for renewable energy promoted under the production-linked incentive (PLI) scheme in the last three years, State-wise;
- (b) whether Government plans to assist renewable energy manufacturers in developing technology for more affordable long-term storage;
- (c) if so, the details thereof; and
- (d) the measures Government is taking to promote research and development in affordable long-term storage technologies for renewable energy?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) The manufacturers selected under Production Linked Incentive (PLI) Scheme for High Efficiency Solar PV Modules, can set-up their manufacturing plants anywhere in India. Based on the information provided by the manufacturers selected under the scheme, details of the States in respect of their solar PV manufacturing plants, are mentioned at **Annexure-I**.

(b) & (c) The Government has taken various steps to promote the energy storage in the country, which inter-alia include:

(i) Ministry of Heavy Industries (MHI), in June, 2021 launched Production Linked Incentive (PLI) scheme for the manufacturing of Advanced Chemistry Cells (ACC) Batteries of 50 GWh capacity annually. Out of total capacity, 10 GWh has been earmarked for grid scale stationary storage applications.

(ii) Ministry of Power in 2022 issued the Renewable Purchase Obligation (RPO) and Energy Storage Obligation (ESO) trajectory till 2029-30. The ESO of obligated entities shall gradually increase from 1.0% in FY 2023-24 to 4% by FY 2029-30.

(iii) Waiver of ISTS Charges for a period of 25 years for Hydro PSP and for a period of 12 years for BESS, subject to specified conditions.

(iv) 'National Framework for promoting Energy Storage Systems' for the development and deployment of technology agnostic Energy Storage Systems in the country has been issued.

(v) The Union Cabinet has approved Viability Gap Funding (VGF) scheme for development of 4,000 MWh of BESS projects by 2030-31, with a financial support of up to 40% of the capital cost as budgetary support in the form of VGF.

(vi). Ministry of Power, in 2023, has issued guidelines to promote development of Pumped Storage Projects (PSP).

(d) The Ministry of New & Renewable Energy (MNRE) is implementing a "Renewable Energy Research and Technology Development Programme (RE-RTD)" through various research institutions and industry to develop indigenous technologies and manufacturing for widespread applications of new and renewable energy in efficient and cost-effective manner in the country including storages technologies. The Ministry provides up to 100% financial support to Government/ non-profit research organizations and upto 70% to Industry, start-ups, private Institutes, entrepreneur, and manufacturing units.

Annexure referred to in reply of part (a) of the Rajya Sabha Unstarred Question No. 2538 for 17.12.2024 regarding 'PLI schemes for renewable energy material'

Sl. No.	Name of Company/ SPV	Location of Manufacturing unit(s)
Tranche-I of PLI Scheme for High Efficiency Solar PV Modules		
1	Shirdi Sai Electrical Limited/ Indosol Solar Private Limited	Andhra Pradesh
2	Reliance Industries Limited	Gujarat
3	Adani New Industries Limited	Gujarat
Tranche-II of PLI Scheme for High Efficiency Solar PV Modules		
1	Indosol Solar Private Limited	Andhra Pradesh
2	Reliance Industries Limited	Gujarat
3	FS India Solar Ventures Private Limited	Tamil Nadu
4	Waaree Energies Limited/ Sangam Solar One Private Limited	Odisha
5	Avaada Electro Private Limited	Uttar Pradesh, Maharashtra
6	ReNew Photovoltaics Private Limited	Rajasthan, Gujarat
7	JSW Renewable Technologies Limited	Rajasthan
8	Grew Energy Private Limited	Rajasthan, Jammu & Kashmir
9	VSL Green Power Private Limited	Tamil Nadu
10	AMPIN Solar One Private Limited	Odisha
11	TP Solar Limited	Tamil Nadu