

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 471
ANSWERED ON 03.02.2026

PLI SCHEME FOR HIGH EFFICIENCY SOLAR PV MODULES

471. Shri Babubhai Jesangbhai Desai
Shri Lahar Singh Siroya
Shri Madan Rathore,
Smt. Kiran Choudhry
Shri Kesridevsinh Jhala
Shri Naresh Bansal

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

- (a) the cumulative manufacturing capacity sanctioned, commissioned and operational under Production Linked Incentive (PLI) Scheme for High Efficiency Solar PV Module in the country including district-wise in Rajasthan;
- (b) the employment generated and technological advancements achieved by the selected manufacturers since the rollout of the scheme in the country including district-wise in Rajasthan;
- (c) whether Government has reviewed the scheme's impact on India's long-term renewable energy targets and global competitiveness in solar manufacturing; and
- (d) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) Under the Production Linked Incentive (PLI) Scheme for High Efficiency Solar PV Modules, Letters of Award have been issued for setting up of around 48.3 GW of fully/ partially integrated solar PV module manufacturing units. The manufacturers who have been issued letters of award under the scheme, can set-up their manufacturing plants anywhere in India, including Rajasthan. Under the scheme, around 26.6 GW of solar PV modules, 10.5 GW of solar PV cells, and around 2 GW of ingot-wafer manufacturing capacity has been set-up. The aforesaid manufacturing capacity of solar PV cells and modules includes around 3.4 GW fully integrated thin film solar PV module manufacturing capacity.

As regards the manufacturing capacities in Rajasthan, as on 31.12.2025, two companies have set-up solar PV module manufacturing capacities aggregating to around 5.7 GW, both of which are situated in the Jaipur District of Rajasthan. As on 31.12.2025, there is no other solar manufacturing facility commissioned under the aforesaid PLI Scheme, in any other district of Rajasthan, though, one company has finalized land in Barmer District for its solar manufacturing project under PLI Scheme. Hence, the existing manufacturing capacity of 5.7 GW in the State of Rajasthan is entirely located in Jaipur District.

(b) As per the information provided by the selected manufacturers under PLI Scheme for high efficiency solar PV modules, as on 31.12.2025, a direct employment of around 13,600 persons is generated, which includes around 3,156 persons in Jaipur, Rajasthan and 20 persons in Barmer, Rajasthan.

This scheme supports induction of the latest, state-of-art solar PV manufacturing technologies into the country, as the solar PV manufacturers are motivated to invest more in Research & Development in order to produce more efficient and resilient solar PV modules.

Under the PLI Scheme, Ingot-Wafer manufacturing capacity has been installed for the first time in India. Further, fully integrated thin film solar PV module manufacturing capacity has also been installed, which is not dependent on imported solar cells, wafers, and polysilicon, as the manufacturing process is fully integrated and all the major steps involved in the manufacturing process, take place in India.

The selected manufacturers under PLI Scheme for High Efficiency Solar PV Modules are also engaged in the production of solar modules with advanced solar PV technologies such as Heterojunction Technology (HJT) and Tunnel Oxide Passivated Contact (TOPCon).

(c) & (d) On 28.04.2021, Ministry of New & Renewable Energy (MNRE) issued the Scheme Guidelines for the Production Linked Incentive Scheme for High Efficiency Solar PV Modules (Tranche-I). At that time, solar PV module manufacturing capacity in India enlisted under Approved List of Models and Manufacturers (ALMM) was around 8.2 GW. As on 31.12.2025, this capacity has surged to around 144 GW under ALMM, which is sufficient to cater to the domestic demand for solar modules. A key factor contributing to this rapid increase in solar PV module manufacturing capacity in India is the implementation of the PLI Scheme for High Efficiency Solar PV Modules. As per the website pertaining to export-import data bank of Department of Commerce, the Solar module exports have also increased from around USD 83 million in FY 2021-22 to around USD 1121 million in FY 2024-25, reflecting India's growing global competitiveness in solar manufacturing.
