

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 304**  
ANSWERED ON 22/07/2025

**PV MODULE TESTING AND CALIBRATION LABORATORY**

304. SHRI SUBHASH BARALA

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

- (a) the objectives and capabilities of the new PV Module Testing and Calibration Laboratory at National Institute of Solar Energy (NISE);
- (b) the manner in which NISE supports domestic solar manufacturing under the PLI scheme through BIS-compliant testing and certification of emerging solar technologies;
- (c) the growth in installed solar capacity of the country and indigenous manufacturing since 2024 and the target set for 2030; and
- (d) the details of workforce development initiatives of NISE's, including the number of Suryamitra trained so far?

**ANSWER**

**THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER**  
**(SHRI SHRIPAD YESSO NAIK)**

(a) The objective of the test facility at National Institute of Solar Energy (NISE) is to conduct testing of photovoltaic (PV) modules and issuing reports in accordance with various Indian and international standards. NISE is also offering testing and calibration for various IS/IEC standards.

(b) NISE provides technical support for qualitative and testing requirements under the Production Linked Incentive (PLI) scheme for setting up Manufacturing Capacities for High Efficiency Solar PV Modules in the country. The role of NISE also includes conducting commissioning checks and throughput assessment at the manufacturing facilities, as well as testing of module efficiency and temperature coefficient as per relevant BIS standards.

(c) As on 01.01.2024, the installed solar capacity of the country was ~73.32 GW, which has increased to ~116.25 GW as on 30.06.2025. Similarly, the solar PV module manufacturing capacity in the country as on 01.01.2024, as per Approved List of Models and Manufacturers (ALMM), was about 22 GW, which has increased to about 91 GW as on 30.06.2025.

(d) NISE through the Suryamitra Skill Development Programme has so far trained 63,713 nos. of Suryamitra technicians.

Under PM-Surya Ghar: Muft Bijli Yojana (PMSG:MBY) scheme, a total of 1,14,543 people have been trained so far, to address the growing demand of workforce.

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