# GOVERNMENT OF INDIA MINISTRY OF NEW AND RENEWABLE ENERGY LOK SABHA UNSTARRED QUESTION NO. 1996 ANSWERED ON 14/12/2023

## NATIONAL SOLAR MISSION

#### 1996. SHRI R. K. SINGH PATEL

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

(a) the details of the aims and objectives of the National Solar Mission;

(b) the progress made by the said mission so far; and

(c) the significant contribution of the said mission in the energy sector?

# ANSWER

## THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

### (SHRI R.K. SINGH)

(a) The National Solar Mission was launched in 2010 with an objective to establish India as a global leader in solar energy, by creating the policy conditions for its diffusion across the country quickly and achieve a scale to drive down costs to levels required to achieve grid parity as soon as possible.

To achieve this, the Mission targets were:

1. To create an enabling policy framework for the deployment of 20,000 MW of solar power by

2022. This target was enhanced in 2015, from 20,000 MW to 1,00,000 MW of grid-connected solar power projects by 2022.

- 2. To promote programmes for off-grid applications, reaching 2000 MW by 2022.
- 3. To deploy 20 million solar lights by 2022.
- 4. To achieve 20 million sq. meters solar thermal collector area by 2022.
- 5. To create favourable conditions for developing solar manufacturing capability in the country.

(b) Solar capacity of around 72 GW has been installed in the country as on 31-11-2023. This includes 58.26 GW from ground-mounted solar projects, 11.08 GW from Rooftop solar capacity, and 2.68 GW from offgrid solar capacity in the country which includes 11.12 million solar lights. Solar thermal collector area of around 11 million square meters was installed till 2016-17 and since then it has been implemented in market mode without any financial support from Government . The domestic solar PV module manufacturing capacity in the country, as currently enlisted in MNRE's Approved List of Models and Manufacturers (ALMM), is around 22 GW per annum. The Government has launched Production Linked Incentive (PLI) Scheme for High Efficiency Solar PV Modules, for achieving manufacturing capacity of Giga Watt (GW) scale in High Efficiency Solar PV Modules. Under this PLI Scheme, Letters of Award have been issued for setting up around 48.3 GW of fully/ partially integrated solar PV module manufacturing capacity in the country.

(c) Solar energy of around 102 billion units were generated during the FY 2022-23, which is around 6.28% of total energy generation in the country. This has helped in abatement of 83 Million tons of CO2 during this period, and thus improving the life of mankind.

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