

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1575
ANSWERED ON 14.03.2023

PRODUCTION OF SOLAR ENERGY

1575. SHRI KARTIKEYA SHARMA

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

- (a) the number of megawatts of electricity currently being generated from solar energy in the country including Haryana;
- (b) the steps taken by Government to promote solar energy in the last five years, the details thereof;
- (c) whether these steps have increased solar power generation, and if so, the year-wise details of the figures;
- (d) the schemes underway to promote solar energy in Haryana; and
- (e) the details of funds disbursed in the last five years?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) As per the information available on the website of Central Electricity Authority, around 82.21 BU of electricity is generated from solar power projects in the country including Haryana, till January, 2023 in the current Financial Year 2022- 23.

(b) The Government has taken several steps to promote renewable energy, including solar energy, in the country. The details of major steps taken are given at **Annexure-I**.

(c) Yes, Sir. These steps have increased solar power generation in the country. As per the information available on the website of Central Electricity Authority, the year-wise details of solar power generated in the country during the last three years and current year are as under:

Year	Solar Power Generation (in BU)
2019-20	50.13
2020-21	60.40
2021-22	73.48
2022-23 (till January, 2023)	82.21

(d) The government is implementing various schemes to promote solar energy in the country including Haryana. The details of major operational schemes are given at **Annexure-II**.

(e) The details of funds disbursed to promote solar energy in the country during the last five years are as under:

Year	Rs. in crore
2018-19	2524.65
2019-20	1995.67
2020-21	1355.71
2021-22	2481.77
2022-23 (as on 28 February, 2023)	3426.66

**ANNEXURE-I REFERRED TO IN REPLY TO PART (b) OF RAJYA SABHA
UNSTARRED QUESTION NO. 1575 FOR 14.03.2023**

**MAJOR STEPS TAKEN TO PROMOTE RENEWABLE ENERGY INCLUDING
SOLAR ENERGY IN THE COUNTRY**

- Waiver of Inter State Transmission System (ISTS) charges for inter-state sale of solar and wind power for projects to be commissioned by 30th June 2025;
- Declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2029-30;
- Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers for installation of RE projects at large scale;
- Schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc;
- Foreign Direct Investment (FDI) up to 100 percent under the automatic route continued;
- Laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power;
- Notification of standards for deployment of solar photovoltaic system/devices;
- Setting up of Project Development Cell for attracting and facilitating investments;
- Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects;
- Government has issued orders that power shall be dispatched against Letter of Credit (LC) or advance payment to ensure timely payment by distribution licensees to RE generators;
- Notification of Promoting Renewable Energy through Green Energy Open Access Rules 2022;
- Notification of "The electricity (Late Payment Surcharge and related matters) Rules (LPS rules);
- Launch of Green Term Ahead Market (GTAM) to facilitate sale of Renewable Energy Power through exchanges;
- National Green Hydrogen Mission approved with an aim to make India a Global Hub for production, utilization and export of Green Hydrogen and its derivatives. This will help in setting up of additional RE capacity including solar.

**ANNEXURE-II REFERRED TO IN REPLY TO PART (d) OF RAJYA SABHA
UNSTARRED QUESTION NO. 1575 FOR 14.03.2023**

**DETAILS OF MAJOR OPERATIONAL SCHEMES TO PROMOTE SOLAR
ENERGY IN THE COUNTRY**

1. Solar Park Scheme for setting up of at least 50 Solar Parks targeting 40,000 MW of solar power projects.
2. Scheme for setting up 12,000 MW of Grid-Connected Solar PV Power Projects by the Government producers with Viability Gap Funding (VGF).
3. Installation of Grid-Connected Solar Rooftop Power Plants.
4. Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM).
5. Production-linked incentive scheme under “National Programme on high efficiency Solar PV Modules.”
6. Green Energy Corridor Scheme for Intra-State Transmission System.