

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3005
ANSWERED ON 29.03.2022

CONTRIBUTION OF SOLAR POWER TO THE ENERGY REQUIREMENTS OF THE COUNTRY

3005. SHRI DEREK O' BRIEN

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

- (a) the percentage of total electricity generated in the country powered by renewable sources;
- (b) the steps being taken to promote decentralised solar power plants which give rise to more job creation; and
- (c) the contribution of solar energy to the nation's energy requirement?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) The percentage of total electricity generated in the country powered by renewable sources (including large hydro) is 22.32% for the year 2021-22 (up to January-2022).

(b) The Government has taken several steps to promote solar energy in the country. These include:-

- permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route,
- 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 2022,
- setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers on a plug and play basis,
- schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc,
- 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.
- Conducting skill development programmes to create a pool of skilled manpower for setting up, operation and maintenance of RE projects.

(c): The contribution of solar energy to the nation's electricity requirement for the year 2021-22 (upto January-2022) is 4.69%.
