

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1896
ANSWERED ON 19/12/2023

GROWTH OF RENEWABLE ENERGY IN THE COUNTRY

1896. SHRI RAVICHANDRA VADDIRAJU
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Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) the trajectory of the country's installed capacity of renewable energy over the last decade; and
(b) the factors that have driven the significant growth in the country's installed capacity of renewable energy in recent years?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

- (a) The year-wise trajectory of the country's installed capacity of renewable energy over the last decade is as follows:

Financial Year	Cumulative Installed Capacity (MW)
2013-14	76,380.6
2014-15	81,217.1
2015-16	89,874.4
2016-17	103,036.2
2017-18	115,944.4
2018-19	124,810.0
2019-20	133,953.5
2020-21	142,011.7
2021-22	156,606.9
2022-23	172,009.0
2023-24 (as on 30.11.2023)	179,548.7

Over this period, the renewable energy capacity has increased by about 2.35 times.

- (b) Since 2014, the Government of India has undertaken several major initiatives that have driven the significant growth in the country's installed capacity of renewable energy, which inter alia include:

- i. Enhancement of the target of National Solar Mission from the initial 20,000 MW to 100,000 MW.
- ii. 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 and graded ISTS charges thereafter,
- iii. Declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2030,
- iv. Launch of new schemes and programs, including Development of Solar Parks and Ultra Mega Solar Power Projects Scheme, Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan Yojana (PM-KUSUM), Grid Connected Solar Rooftop Programme, CPSU Scheme Phase-II (Government Producer Scheme), Production Linked Incentive Scheme under 'National Programme on High Efficiency Solar PV Modules, National Bioenergy Programme, Renewable

Energy Research and Technology Development (RE-RTD) Programme, Schemes for incentives on electrolyser manufacturing.

- v. Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers on a plug and play basis,
- vi. Laying of new transmission lines and creating new sub-station capacity for evacuation of renewable power,
- vii. Setting up of Project Development Cell for attracting and facilitating investments,
- viii. Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects,
- ix. 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,
 - x. Notification of Promoting Renewable Energy through Green Energy Open Access Rules 2022,
 - xi. Notification of Late Payment Surcharge and related matters Rules 2022.
- xii. Notification of Electricity Amendment Rules 2022 with provision of Uniform Renewable Energy Tariff for Central Pool.
- xiii. Launch of the National Green Hydrogen Mission with the objective to make India a hub for Green Hydrogen production and exports.
