

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.2717
ANSWERED ON 22.12.2022**

POWER GENERATION SOURCES

†2717. SHRI NARENDRA KUMAR:

**Will the Minister of POWER
be pleased to state:**

- (a) the details of present power generation capacity and its sources;**
- (b) the future action plan in this regard alongwith the target fixed for clean energy sectors; and**
- (c) the measures taken to become self-reliant in pollution free power generation and to completely discard the use of or get rid of coal and other pollutant materials?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) : The details of present power generation capacity and its sources as on 30.11.2022 are given at Annexure.

(b) & (c) : As per the the Generation Expansion Planning studies carried out by the Central Electricity Authority (CEA) for 2029-30, the share of non-fossil fuel based generation capacity in the total installed capacity of the Country is likely to increase from around 42% as on Nov, 2022 to more than 64% by 2029-30. This would reduce the dependence on fossil fuel in electricity generation and promote alternative sources of power like solar and wind.

Further, the following steps have been taken to promote renewable power in the country:

- (i) Permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route.**
- (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.**
- (iii) Declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2029-30.**
- (iv) Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers for installation of RE projects at large scale.**

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- (v) **Schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 Mega Watt (MW) Central Public Sector Undertaking (CPSU) Scheme Phase II, etc.**
- (vi) **Laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power.**
- (vii) **Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar photovoltaic (PV) and Wind Projects.**
- (viii) **Notification of Promoting Renewable Energy through Green Energy Open Access Rules 2022.**
- (ix) **Launch of Green Term Ahead Market (GTAM) to facilitate sale of Renewable Energy Power through exchanges.**

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2717
ANSWERED IN THE LOK SABHA ON 22.12.2022**

The details of present power generation capacity and its sources as on 30.11.2022

Category	Installed Generation Capacity (MW)
Coal	203,985
Lignite	6,620
Gas	24,824
Diesel	589
Hydro	46,850
Wind	41,895
Solar	61,966
Biomass Power	10,206
Waste to Energy	520
Small Hydro Power (less than 25 MW)	4,925
Nuclear	6,780
Total Installed Capacity	4,09,161
