

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.4909
TO BE ANSWERED ON 25.03.2021**

POWER GENERATION CAPACITY

**†4909. SHRIMATI SHARDABEN ANILBHAI PATEL:
SHRI MITESH RAMESHBHAI PATEL (BAKABHAI):**

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

- (a) the details of present power generation capacity and sources along with the future action plan and targets set in clean energy sector; and**
- (b) the measures taken for becoming self-reliant in pollution free power generation and getting rid of coal and other polluting materials?**

A N S W E R

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER, NEW & RENEWABLE ENERGY AND THE MINISTER OF STATE FOR SKILL DEVELOPMENT & ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) : The installed generation capacity as on 28.02.2021 is 379.13 Giga Watt (GW). The source-wise details of the installed generation capacity as on 28.02.2021 are given at Annexure.

Government of India has set a target for installing 175 GW of Renewable Energy capacity (excluding large hydro) by the end of 2021-22 which includes 100 GW from solar, 60 GW from wind, 10 GW from Biomass and 5 GW from Small Hydro.

(b) : In order to become self-reliant in power generation and achieving energy transition towards clean energy, Government has inter-alia taken following measures:

- (1) The renewable energy capacity to go up to 450 GW.**
- (2) Phase-wise retirement of old polluting coal based power plants.**

- (3) Setting up of Ultra Mega Renewable Energy Parks to provide land and transmission to RE developers on a plug and play basis.**
- (4) Schemes such as Pradhan Mantri Kisan Urja Surakshaevam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc.**
- (5) Laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power.**
- (6) Notifying Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects.**
- (7) Declaring Large Hydro Power (LHPs) (> 25 MW projects) as Renewable Energy source.**
- (8) Hydro Purchase Obligation (HPO) as a separate entity within Non-solar Renewable Purchase Obligation (RPO).**
- (9) Tariff rationalization measures for bringing down hydro power tariff.**
- (10) Budgetary Support for Flood Moderation/Storage Hydro Electric Projects (HEPs).**
- (11) Budgetary Support to Cost of Enabling Infrastructure, i.e. roads/bridges for hydro projects.**
 - (a) ₹ 1.5 crore per MW for projects upto 200 MW.**
 - (b) ₹ 1.0 crore per MW for projects above 200 MW.**

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION
NO. 4909 TO BE ANSWERED IN THE LOK SABHA ON 25.03.2021**

Source-wise break up of All India Installed Capacity as on 28.02.2021

Source/ Fuel	Capacity (MW) (as on 28.02.2021)
Thermal	
Coal	201084.50
Lignite	6620.00
Gas	24956.51
Diesel	509.71
Thermal Total	233170.72
Nuclear	6780.00
Hydro	46209.22
RES	
Small Hydro Power	4783.06
Wind Power	38789.15
Bio Power	
-BM Power/Cogen.	10145.92
-Waste to Energy	168.64
Solar Power	39083.71
RES Total	92970.48
All India Total	379130.41
