

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 622**  
ANSWERED ON 07.02.2023

**STATUS OF SOLAR POWER PROJECTS**

622. SHRI ABIR RANJAN BISWAS

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

- (a) the details of the number of clean energy sources that have been set up by India under the Paris Convention on Climate Change;
- (b) whether it is a fact that a target of generating 175 Gigawatt renewable energy capacity has been set by 2022, if so, the details of the quantum of power capacity in Gigawatt for which solar energy, wind energy, biopower and small hydropower projects have been set up in compliance of it; and
- (c) details of the share of thermal power, nuclear power, hydropower and renewable energy in the total established power capacity of the country?

**ANSWER**

**THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER**  
**(SHRI R.K. SINGH)**

(a)&(b) So far, a total of 174.53 GW power generation capacity from non-fossil fuel based energy resources has been installed in the country as on 31.12.2022. This includes 63.30 GW Solar Power, 46.85 GW Large Hydro, 41.93 GW Wind Power, 10.73 GW Bio Power, 4.94 GW Small Hydro Power and 6.78 GW Nuclear Power.

(c) The details of the share of thermal power, nuclear power, hydropower and renewable energy in the total established power capacity of the country as on 31.12.2022 are given below:

Sector	Capacity (in GW)	Percentage Share
Thermal	235.81 GW	57.47%
Nuclear	6.78 GW	1.65%
RE (including Large Hydro)	167.75 GW (including 51.79 GW from Hydro Power)	40.88% (including 12.62% from Hydro Power)
<b>Total</b>	<b>410.34 GW</b>	<b>(100%)</b>

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