GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.322
TO BE ANSWERED ON 04.02.2021

STATUS ON CONSTRUCTION OF NEW NUCLEAR REACTORS

322. SHRI SAMBHAJI CHHATRAPATI:

Will the PRIME MINISTER be pleased to state:

(a) whether Government has given a nod for construction of new nuclear reactors in the country;

(b) if so, the details thereof, including the location of each one of them;

(c) by when these reactors would become critical and how much of electricity is likely to be generated; and

(d) the existing rank of India in energy generation in global scenario?

ANSWER

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (DR.JITENDRA SINGH):

(a) The Government in 2017 had accorded administrative approval and financial sanction for 12 new reactors with a total capacity of 9000 MW - reactors - ten (10) indigenous 700 MW Pressurized Heavy Water Reactors (PHWRs) to be set up in fleet mode & two (02) units of Light Water Reactors (LWRs) to be set up in cooperation with Russian Federation.

(b)

Project	Location & State	Capacity (MW)
KKNPP 5&6	Kudankulam, Tamil Nadu	2X1000
PHWRs in Fleet mode		
Kaiga-5&6	Kaiga, Karnataka	2 X 700
GHAVP– 3&4	Gorakhpur, Haryana	2 X 700
Chutka-1&2	Chutka, Madhya Pradesh	2 X 700
Mahi Banswara- 1&2	Mahi Banswara, Rajasthan	2 X 700
Mahi Banswara- 3&4	Mahi Banswara, Rajasthan	2 X 700

(c) The details are as follows:

Project	Location & State	Expected Completion
KKNPP- 5&6	Kudankulam, Tamil Nadu	2026 / 2027
PHWRs in Fleet mode		
Kaiga-5&6	Kaiga, Karnataka	Progressive completion by 2031
GHAVP– 3&4	Gorakhpur, Haryana	
Chutka-1&2	Chutka, Madhya Pradesh	
Mahi Banswara- 1&2	Mahi Banswara, Rajasthan	
Mahi Banswara- 3&4	Mahi Banswara, Rajasthan	

On their completion these units will generate about 54 billion units of electricity per annum at normative capacity factor (68.5%).

(d) India ranked third among countries in terms of total electricity generation and thirteenth in terms of nuclear power generation in the year 2019.

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