

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.323
TO BE ANSWERED ON 13.12.2018

INSTALLATION OF ATOMIC POWER PLANTS

323. MS. SAROJ PANDEY:

Will the PRIME MINISTER be pleased to state:

- (a) the number of atomic power plants installed and working at present in the country and the quantum of electricity, in megawatt, being generated therein;
- (b) whether Government has any proposal to establish new plants in view of future requirement of energy; and
- (c) if so, the details of various locations where these plants have to be established and total generation capacity determined for them?

ANSWER

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

- (a) The present installed nuclear power capacity in the country comprises of 22 reactors with an installed capacity of 6780 MW. Of these, at present three reactors are under shutdown Rajasthan Atomic Power Station (RAPS) -1 (100 MW) under extended shutdown for techno-economic assessment, Kaiga Atomic Power Station (KAPS) -1 (220 MW) for Renovation & Modernisation and Madras Atomic Power Station (MAPS) -1 (220 MW) for Endshield works and 19 reactors with a capacity of 6240 MW are in operation.
- (b) Yes, Sir.
- (c) At present there are nine reactors with a capacity of 6700 MW under construction. The details are as follows:

Location & State	Project	Capacity (MW)
Kakrapar, Gujarat	KAPP-3&4	2 x 700
Rawatbhata, Rajasthan	RAPP-7&8	2 X 700
Gorakhpur, Haryana	GHAVP-1&2	2 X 700
Kudankulam, Tamil Nadu	KKNPP- 3&4	2 X 1000
Kalpakkam, Tamil Nadu	* PFBR	500

* PFBR = Prototype Fast Breeder Reactor

In addition, the Government has accorded administrative approval and financial sanction for setting up 12 more reactors with a capacity of 9000 MW. The details are:

Location & State	Project	Capacity(MW)
Chutka, Madhya Pradesh	Chutka -1&2	2 X 700
Kaiga, Karnataka	Kaiga - 5&6	2 X 700
Mahi Banswara, Rajasthan	Mahi Banswara - 1&2	2 X 700
Gorakhpur, Haryana	GHAVP - 3&4	2 X 700
Mahi Banswara, Rajasthan	Mahi Banswara - 3&4	2 X 700
Kudankulam, Tamil Nadu	KKNPP 5&6	2 X 1000

On progressive completion of the projects under construction and accorded sanction, the installed nuclear power capacity will reach 22480 MW by 2031.

The Government has also accorded 'in principle' approval of the following sites for setting up nuclear power plants in future:

Location & State	Site	Capacity (MW)
Jaitapur, Maharashtra	Jaitapur, Units- 1 to 6	6 x 1650
Kovvada, Andhra Pradesh	Kovvada, Units- 1 to 6	6 x 1208
Chhaya Mithi Viridi, Gujarat	Chhaya Mithi Viridi, Units- 1 to 6	6 x 1000*
Haripur, West Bengal	Haripur, Units – 1 to 6	6 x 1000*
Bhimpur, Madhya Pradesh	Bhimpur, Units- 1 to 4	4 X 700

**Nominal Capacity*
