

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 580
TO BE ANSWERED ON 05.02.2020

STATUS OF NUCLEAR PLANTS

580. SHRI CHANDRA PRAKASH JOSHI:

Will the PRIME MINISTER be pleased to state:

- (a) the status of nuclear plants in the country, capacity-wise;
- (b) whether the Government proposes to set up more nuclear plants in future and if so, the details thereof;
- (c) the number of the said plants constructed or pending at present and the names of the locations thereof; and
- (d) the quantum of improvement in power generation capacity of Nuclear plants during the last three years and the details thereof?

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 is 6780 MW comprising of 22 operational nuclear power reactors. The details are:

State	Location	Unit	Capacity (MW)
Maharashtra	Tarapur	TAPS-1	160
		TAPS-2	160
		TAPS-3	540
		TAPS-4	540
Rajasthan	Rawatbhata	RAPS-1*	100
		RAPS-2	200
		RAPS-3	220
		RAPS-4	220
		RAPS-5	220
		RAPS-6	220
Uttar Pradesh	Narora	NAPS-1	220
		NAPS-2	220
Gujarat	Kakrapar	KAPS-1	220
		KAPS-2	220
Karnataka	Kaiga	KGS-1	220
		KGS-2	220
		KGS-3	220
		KGS-4	220
Tamil Nadu	Kalpakkam	MAPS-1	220
		MAPS-2	220
	Kudankulam	KKNPP-1	1000
		KKNPP-2	1000

* RAPS-1 (100 MW) is under extended shutdown since 2004 for techno-commercial assessment.

(b)&(c) Yes, Sir. A capacity of 6700 MW comprising of nine (9) nuclear power reactors is under construction / commissioning. The details are as follows:

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

In addition, the Government has also accorded administrative approval and financial sanction for the following twelve (12) more reactors with a total capacity of 9000 MW where presently pre-project activities are in progress. The details are given below:

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

Further to this, the Government has accorded 'In-Principle' approval for setting up nuclear power projects in future by NPCIL:

Capacity	Foreign Collaboration	Country/Indigenous
6 x 1650 MWe	M/s EDF	France
6 x 1208 MWe	M/s GE Hitachi	USA
6 x 1000 * MWe	M/s Westinghouse Electric Co.	USA
6 x 1000 * MWe	M/s Atomstroyexport	Russian Federation
4 x 700 MWe	-	PHWR, Indigenous

* Nominal Capacity

(d) During the last three years (2016-17 to 2018-19) a new capacity of 1000 MW (KKNPP-2) was added increasing the installed nuclear power capacity from 5780 MW to 6780 MW.
