

6 GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 1925
TO BE ANSWERED ON 05.08.2021

NUCLEAR POWER PLANTS IN THE COUNTRY

1925# Ms. Saroj Pandey:

Will the PRIME MINISTER be pleased to state:

- (a) the number of nuclear power generating plants that are currently operational in the country and the megawatts of energy being produced by them every year;
- (b) whether Government has formulated any plans to build new plants or develop the production capacity of old plants, keeping in view the energy requirements of the future; and
- (c) if so, the details thereof?

ANSWER

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

- (a) There are presently 22 reactors with a total capacity of 6780 MW in operation and one reactor, KAPP-3 (700 MW) has been connected to the grid on January 10, 2021. The details are given as Annexure.

- (b)&(c) In addition to 10 nuclear power reactors totaling to 8000 MW (including 500 MW PFBR being implemented by BHAVINI) under construction, the government has accorded administrative approval and financial sanction for construction of 10 indigenous Pressurized Heavy Water Reactors (PHWRs) totaling to 7000 MW, to be set up in fleet mode. On progressive completion of the projects under construction and accorded sanction, the nuclear power capacity is expected to reach 22480 MW by the year 2031. More nuclear power plants are also planned in future.

Annexure

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
Tamilnadu	Kalpakkam	MAPS-1 ^{&}	220
		MAPS-2	220
	Kudankulam	KKNPP-1	1000
		KKNPP-2	1000
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

[@] RAPS-1 is under extended shutdown for techno-economic assessment
[&] TAPS-1&2 & MAPS-1 are presently under project mode.