

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO-1921
ANSWERED ON 12/12/2024

ATOMIC POWER STATIONS

1921. SHRI ANIL KUMAR YADAV MANDADI

Will the PRIME MINISTER be pleased to state:-

- (a) the details of Atomic Power Stations set up so far;
- (b) the details of energy produced by these Atomic Power Stations and their contribution in country's demand-supply chain;
- (c) whether Government proposes to set up more Atomic Power Stations; and
- (d) if so, the details of Atomic Power Stations proposed to be setup by 2047?

ANSWER

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

- (a) The details are given in Annexure.
- (b) In the year 2023-24, nuclear power stations generated 47971 Million Units of electricity and their contribution in the country's total electricity generation was about 2.8%.
- (c) Yes.
- (d) The details of nuclear power projects to be set up progressively by 2031-32 are as follows:

State	Location	Project	Capacity (MW)
Projects Under Construction / Commissioning			
Rajasthan	Rawatbhata	RAPP-7&8	2 X 700
Tamil Nadu	Kudankulam	KKNPP-3&4	2 X 1000
		KKNPP-5&6	2 X 1000
	Kalpakkam	PFBR#	1 X 500
Haryana	Gorakhpur	GHAVP-1&2	2 X 700
Projects Under Pre-Project Activities			
Karnataka	Kaiga	Kaiga-5&6	2 X 700
Haryana	Gorakhpur	GHAVP- 3&4	2 X 700
Madhya Pradesh	Chutka	Chutka-1&2	2 X 700
Rajasthan	Mahi Banswara	Mahi Banswara-1&2	2 X 700
		Mahi Banswara-3&4	2 X 700

implemented by BHAVINI

Government has accorded approval to carry out pre-project activities for 2 x 500 Mwe twin unit of FBR 1&2 project at Kalpakkam, Tamil Nadu, to be implemented by BHAVINI.

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
Tamil Nadu	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
		KAPS-3	700
		KAPS-4	700
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 and MAPS-1 are presently under project mode.
