

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO-1409**  
ANSWERED ON- 31/07/2024

**NUCLEAR POWER IN ELECTRICITY GENERATION**

1409. SHRI PRABHAKAR REDDY VEMIREDDY

Will the PRIME MINISTER be pleased to state:-

- (a) whether it is a fact that the share of nuclear power in the total electricity generation in the country is not more than 3% as of March, 2023;
- (b) the details of current installed nuclear power capacity in the country, plant-wise along with the manner in which the Government will increase the capacity and take it to at least 15% in the coming five years;
- (c) the status of nuclear power generation from Andhra Pradesh; and
- (d) whether any new sites have been identified to set up nuclear reactors in the country and, if so, the details thereof?

**ANSWER**

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

- (a) The share of nuclear power in the total electricity generation in the country was about 2.8% in the year 2022-23.
- (b) The details of current installed nuclear power capacity plant-wise are given in the Annexure. The present capacity is set to increase from 8180 MW to 14080 MW in the next five years (by 2029-30) by progressive completion of RAPP 7&8 (2 X 700 MW), KKNPP 3&4 (2X1000 MW), KKNPP 5&6 (2X1000 MW) and PFBR (500 MW) projects under construction / commissioning. The share of Nuclear Power in the total electricity generation in the coming five years depend on the contribution from other sources of electricity generation at that point of time.
- (c) Presently, there is no operating nuclear power plant in the state of Andhra Pradesh.

- (d) Yes. The government has accorded 'In-principle' approval for setting up reactors at the following new sites:

<b>Site</b>	<b>State</b>	<b>Capacity (MW)</b>	<b>In Cooperation with</b>
Jaitapur	Maharashtra	6 X 1650	France
Kovvada	Andhra Pradesh	6 X 1208	United States of America
Chhaya Mithi Virdi	Gujarat	6 X 1000*	
Haripur	West Bengal	6 X 1000*	Russian Federation
Bhimpur	Madhya Pradesh	4 X 700	Indigenous PHWR

*\*Nominal Capacity*

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Annexure

State	Location	Unit	Capacity (MW)
Maharashtra	Tarapur	TAPS-1 <sup>&amp;</sup>	160
		TAPS-2 <sup>&amp;</sup>	160
		TAPS-3	540
		TAPS-4	540
Rajasthan	Rawatbhata	RAPS-1 <sup>@</sup>	100
		RAPS-2	200
		RAPS-3 <sup>&amp;</sup>	220
		RAPS-4	220
		RAPS-5	220
		RAPS-6	220
Tamilnadu	Kalpakkam	MAPS-1 <sup>&amp;</sup>	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

<sup>@</sup> RAPS-1 is under extended shutdown for techno-economic assessment  
& TAPS-1&2, MAPS-1 & RAPS-3 are presently under project mode.

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