

PARLIAMENT QUESTION: EXPANSION OF NUCLEAR POWER GENERATION CAPACITY

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The present installed nuclear power capacity in the country is 8,780 MW comprising of 24 nuclear power plants (excluding RAPS-1 – 100 MW).

The total generation from the nuclear power plants during the past three years have been 45855 Million Units (MUs) in 2022-23, 47971 MUs in 2023-24 and 56681 Mus in 2024-25.

At present, there are 18 nuclear power reactors with a total capacity of 13600 MW under implementation, comprising of 10 nuclear reactors under construction (including PFBR – 500 MW) and 8 reactors under pre-project activities.

Location	Project	Capacity (MW)
Projects Under Construction / Commissioning		
Rajasthan	RAPP-8	700
Kudankulam, Tamilnadu	KKNPP-3&4	2 X 1000
	KKNPP-5&6	2 X 1000
Gorakhpur, Haryana	GHAVP-1&2	2 X 700
Kaiga, Karnataka	Kaiga-5&6	2 X 700
PFBR, Kalpakkam	PFBR	1 X 500

Projects Under Pre-project Activities		
Gorakhpur, Haryana	GHAVP-3&4	2 X 700
Chutka, Madhya Pradesh	Chutka-1&2	2 X 700

Mahi Banswara, Rajasthan	Mahi Banswara-1&2	2 X 700
	Mahi Banswara-3&4	2 X 700

BHAVINI is currently commissioning a 500 MWe Prototype Fast Breeder Reactor (PFBR) project at Kalpakkam, Tamil Nadu. 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. On attaining first criticality of PFBR, Government will be approached for financial sanction of FBR 1&2 projects.

This information was given by Union Minister of State (Independent Charge) for Science & Technology and Earth Sciences, and Minister of State in the Prime Minister's Office, Personnel, Public Grievances and Pensions, Atomic Energy and Space, Dr. Jitendra Singh, in a written reply in the Rajya Sabha on Thursday.

NKR/G

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