

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO- 2155
ANSWERED ON 12/03/2025

NUCLEAR POWER GENERATION

2155. THIRU D M KATHIR ANAND

Will the PRIME MINISTER be pleased to state:-

- (a) whether it is true that the current production of Nuclear Power in the country is around 8,000 MW and 40% of it are generated from both Kalpakkam and Kudankulam in Tamil Nadu
- (b) if so, the details thereof and the nuclear power generated from other power plants in the country;
- (c) whether the Government proposes to build 18 more nuclear power reactors with a cumulative capacity to generate 13,800 MW of electricity;
- (d) if so, the details thereof and the list of locations where the nuclear power plants are to be commissioned and the time of completion of each plant; and
- (e) the total funds likely to be incurred on the construction of these nuclear power plants along with the fund sanctioned and released by the Government?

ANSWER

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

- (a) The installed capacity of nuclear power plants in Tamil Nadu comprises of MAPS-1&2 (2X220 MW) at Kalpakkam and KKNPP-1&2 (2X1000 MW) at Kudankulam. Together, the installed nuclear power capacity is 2440 MW, which is around 30% of the total installed capacity of the country (8180 MW).
- (b) The details are given in Annexure-A.
- (c) Yes.
- (d) & (e) The details are given in Annexure-B.

Annexure-A

Sr. No.	Reactor & Location	Capacity (MW)
1	RAPS-1, Rawatbhata, Rajasthan	100 [#]
2	RAPS-2, Rawatbhata, Rajasthan	200
3	TAPS-1, Tarapur, Maharashtra	160
4	TAPS-2, Tarapur, Maharashtra	160
5	MAPS-1, Kalpakkam, Tamil Nadu	220
6	MAPS-2, Kalpakkam, Tamil Nadu	220
7	NAPS-1, Narora, Uttar Pradesh	220
8	NAPS-2, Narora, Uttar Pradesh	220
9	KAPS-1, Kakrapar, Gujarat	220
10	KAPS-2, Kakrapar, Gujarat	220
11	RAPS-3, Rawatbhata, Rajasthan	220
12	RAPS-4, Rawatbhata, Rajasthan	220
13	RAPS-5, Rawatbhata, Rajasthan	220
14	RAPS-6, Rawatbhata, Rajasthan	220
15	KAIGA-1, Kaiga, Karnataka	220
16	KAIGA-2, Kaiga, Karnataka	220
17	KAIGA-3, Kaiga, Karnataka	220
18	KAIGA-4, Kaiga, Karnataka	220
19	TAPS-3, Tarapur, Maharashtra	540
20	TAPS-4, Tarapur, Maharashtra	540
21	KAPS-3, Kakrapar, Gujarat	700
22	KAPS-4, Kakrapar, Gujarat	700
23	KKNPP-1, Kudankulam, Tamil Nadu	1000
24	KKNPP-2, Kudankulam, Tamil Nadu	1000

[#] Under extended shutdown

Annexure-B

State	Location	Project	Capacity (MW)	Sanctioned Cost (Rs. crore)	Expenditure (upto Jan-2025) (Rs. crore)	Expected Completion
Projects under Construction						
Rajasthan	Rawatbhata	RAPP-7 [#] &8	2 X 700	22924 [^]	19770	2025-26
Tamil Nadu	Kudankulam	KKNPP-3&4	2 X 1000	68893	47661	2026-27
		KKNPP-5&6	2 X 1000	49621	19914	2027-28
	Kalpakkam	PFBR ^{&}	1 X 500	7524	7040	End of 2026
Haryana	Gorakhpur	GHAVP-1&2	2 X 700	20594	7773	2031-32
Projects Under Pre-project Activities						
Karnataka	Kaiga	Kaiga-5&6	2 X 700	105000	2815	Progressive completion by 2031-32
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			

[^] Revised cost, under Approval

[#]Unit-7 (700 MW) of RAPP-7&8 achieved first criticality on 19.09.2024

[&] Implemented by BHAVINI

^{*}Assigned to Anushakti Vidyut Nigam Limited (ASHVINI)
