

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO - 2884
ANSWERED ON 13/08/2026

NUCLEAR POWER PROJECTS

2884. SHRI MILIND MURLI DEORA

Will the PRIME MINISTER be pleased to state:-

- (a) the details of nuclear power projects currently under construction in India, along with their respective locations, reactor types, capacities, sanctioned costs, and original commissioning dates;
- (b) the year-wise funds sanctioned, released and utilised for each such project during the last five years;
- (c) whether any projects are delayed beyond their original commissioning schedule and if so, the project-wise details of delays, revised commissioning dates, and reasons therefor;
- (d) the cost escalation, if any, in each project under construction and the reasons therefor; and
- (e) the cumulative capacity (in MWe) expected to be added to the national grid upon commissioning of all projects?

ANSWER

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

(a) The details of projects under construction are tabulated below.

Sr.	Project	Location	Capacity (MW)	Commissioning Date		Cost (Rs. Crore)	
				Original	Status/ Revised	Sanctioned	Revised
Indigenous Pressurised Heavy Water Reactors (IPHWR)							
1	RAPP-7*	Rawatbhata, Rajasthan	700	Jun-2016	Commenced commercial operation on 15.04.2026	12,320	22,924
	RAPP-8		700	Dec-2016	In advanced stage of commissioning (expected to be operational in 2026)		
2	GHAVP-1	Gorakhpur, Haryana	700	Sep-2020	Completion of construction and commissioning is expected to be completed in about 6 years from First Pour of Concrete.	20,594	Under revision
	GHAVP-2		700	Mar-2021			

3	KAIGA-5	Kaiga, Karnataka	700	June-2026	June-2031	21,000	Under revision
	KAIGA-6		700	June-2027	June-2032		
4	PFBR	Kalpakkam, Tamil Nadu	500	Sep-2010	Mar- 2027	3492	Under revision
Light Water Reactors (LWR) with Foreign Cooperation							
5	KKNPP-3	Kudankulam, Tamil Nadu	1000	Mar-2023	Jun-2027	39,849	68,893
	KKNPP-4		1000	Nov-2023	Jun-2028		
6	KKNPP-5		1000	Dec-2026	Jun-2029	49,621	69,437
	KKNPP-6		1000	Sep-2027	Mar-2030		

*Already commenced production in April 2026. However cost available on Twin Unit basis (RAPP-7 & RAPP-8)

(b) The year-wise details of the funds sanctioned, released and utilized for each project under construction during the last five years are attached as Annexure.

(c) & (d) The major reasons for delay in construction/ commissioning of projects in the recent past have been due to extensive design changes following the Fukushima incident in Japan, delay in supply of critical equipment, Covid-19 pandemic & related issues, delay in supplies from Russian Federation (for KKNPP), delay in execution of works by contractors at site on account of financial crunch / cash flow problems post Covid, difficult site soil conditions (at GHAVP), shortage of skilled contractor manpower, and the impact due to ongoing Russia-Ukraine and USA/ Israel-Iran geopolitical conflict.

To address the challenges, various measures are being implemented to ensure timely completion of the projects. The measures include, periodic project reviews at multiple levels in NPCIL & DAE, constant monitoring of progress of project activities, timely identification of constraints & making necessary mid-course corrections, frequent meetings with vendors/ contractors to resolve various issues and re-sequencing of construction activities to the extent possible, higher delegation of powers to various executives of NPCIL and constitution of Board sub-committee for monitoring of projects. In addition to this, bulk ordering of long delivery equipment has been adopted and many equipment are under manufacturing/ progressive delivery for various reactors being implemented in fleet mode to ensure timely supply of long lead items for the projects.

(e) Upon progressive commissioning of the projects currently under construction, a cumulative capacity of 8000 MW would be added to the national grid.

Annexure

The year-wise details of Equity Sanctioned, Released and Utilized for each project under construction during the last five years are tabulated below:

Amount in Rs. Crore

Name of the Project	2021-22			2022-23			2023-24			2024-25			2025-26		
	Equity Sanctioned	Equity Released	Equity Utilized	Equity Sanctioned	Equity Released	Equity Utilized	Equity Sanctioned	Equity Released	Equity Utilized	Equity Sanctioned	Equity Released	Equity Utilized	Equity Sanctioned	Equity Released	Equity Utilized
GHAVP-1&2	540	141	141	1952	577	577	1990	254	254	2831	563	563	3042	631	631
KKNPP-5&6		363	363		1375	1375		1585	1585		1924	1924		1806	1806
CMAPP-1&2		7	7		0	0		12	12		41	41		73	73
MBRAPP-1to 4		15	15		0	0		23	23		42	42		49	49
KAIGA-5&6		8	8		0	0		102	102		246	246		365	365
GHAVP-3&4		6	6		0	0		14	14		15	15		118	118
Total	540	540	540	1952	1952	1952	1990	1990	1990	2831	2831	2831	3042	3042	3042

The year-wise details of Equity Sanctioned, Released and Utilized for PFBR during the last five years are tabulated below:

Name of the Project	2021-22			2022-23			2023-24			2024-25			2025-26		
	Equity Sanctioned	Equity Released	Equity Utilized	Equity Sanctioned	Equity Released	Equity Utilized	Equity Sanctioned	Equity Released	Equity Utilized	Equity Sanctioned	Equity Released	Equity Utilized	Equity Sanctioned	Equity Released	Equity Utilized
PFBR	550	550	550	272	200	200	200	200	200	1184	600	500	374	150	150
