

PARLIAMENT QUESTION: OPERATIONAL PERFORMANCE OF NPCIL NUCLEAR POWER PLANTS

प्रविष्टि तिथि: 29 JUL 2026 4:14PM by PIB Delhi

The details regarding electricity generation from nuclear power plants and their PLF (including Tarapur Atomic Power Plant), during the last five years are given in Annexure.

The details of NPCIL projects under construction are tabulated below.

Unit	Project & Location	Capacity (MW)	Expected Date Of Commissioning	Revised Cost (Rs. Crore)
RAPP-7&8	Rawatbhata, Rajasthan	2 x 700	Commenced commercial operation on 15.04.2026	22,924#
			In advanced stage of commissioning	
GHAVP-1&2	Gorakhpur, Haryana	2 x 700	Completion of construction and commissioning is expected to be completed in about 6 years from First Pour of Concrete.	20,594*
KAIGA-5&6	Kaiga, Karnataka	2 x 700	June-2031/ June-2032	21,000*

KKNPP- 3&4	Kudankulam, Tamilnadu	2 x 1000	June-2027/ June-2028	68,893
KKNPP- 5&6		2 x 1000	June-2029/ March-2030	69,437

**Under Revision*

NPP cost are available in twin unit base.

BHAVINI is commissioning the 500 MW Prototype Fast Breeder Reactor at Kalpakkam, Tamil Nadu. The estimated completion cost of PFBR is Rs 8181 cr and the project is expected to get fully commissioned by Mar 2027.

During the last three years, NPCIL entered into agreements/ collaborations for the augmentation of nuclear power generation with:

- i. Maharashtra State Power Generation Company (MAHAGENCO)
- ii. Maharashtra Institution for Transformation (MITRA) &
- iii. NLC India Limited (*(formerly Neyveli Lignite Corporation India Limited)*).

Adequate measures are in place to ensure the security of nuclear power plants which are subjected to periodic audits & reviews and necessary upgrades. To address the extremely unlikely event, plans approved by the regulatory authority are put in place at all Nuclear Power Plant sites, including Tarapur Atomic Power Plant, before the start of operation. Periodic exercises are carried out to confirm the decision-making capabilities, implementation of security provisions, response timeline, co-ordination among response agencies, availability of necessary resources etc. All the plant personnel are well trained in safety, emergency and security measures. Periodical mock drills on different emergency situations are being conducted by Security Personnel and the reports pertaining to the same are reviewed by concerned officials.

This information was given by Union Minister of State for Prime Minister's office and Personnel, Public Grievances and Pensions, Atomic Energy and Space, Dr. Jitendra Singh, in a written reply in the Lok Sabha today.

NKR/AK/NM

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