



PARLIAMENT QUESTION: STATUS OF KAKRAPAR UNIT-3

प्रविष्टि तिथि: 04 DEC 2025 6:21PM by PIB Delhi

The successful commissioning of Kakrapar Unit-3 (KAPS-3) in June 2023, the first of a kind indigenous Pressurised Heavy Water Reactor (PHWR) was a significant milestone in India's quest to add clean base load capacity towards Net Zero by 2070. No tradeoffs are being made against scale up of renewable plus storage by installing nuclear power capacity, as considering the large clean energy capacity required for achievement of Net Zero, both renewables with storage and nuclear power plants have to be deployed in large numbers.

KAPS-3, the first of a kind indigenous 700 MW PHWR with advanced safety features was designed by NPCIL. Its components / equipment were supplied by Indian industries and works executed by Indian contractors. The fully indigenous 700 MW PHWR would be the mainstay of the Indian nuclear power programme in future contributing to the goal of Atma Nirbhar Bharat.

The Core Damage Frequency & Seismic Margin beyond design basis earthquake of KAPS-3 are 6.34×10^{-08} /Reactor/Year and 33% respectively.

NKR/AK

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