

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 483
TO BE ANSWERED ON 07.12.2023

Nuclear power reactors developed with indigenous technology

483 # Smt. Geeta alias Chandraprabha:

Will the PRIME MINISTER be pleased to state:

- (a) whether it is a fact that country's first indigenously-developed nuclear power reactor has commenced its commercial operations successfully;
- (b) if so, the States where this nuclear power reactor is located and the total capacity thereof;
- (c) whether it is planned to develop nuclear power reactors indigenously at other places in the country in future; and
- (d) If so, the total number of new nuclear power reactors planned to be developed with indigenous technology in the future, the details thereof?

ANSWER

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

- (a) &(b) Yes, Sir. India's first indigenous reactor of 700 MW capacity, the Unit-3 of Kakrapar Atomic Power Project (KAPP-3-700 MW) commenced commercial operation successfully in June 2023. This is the largest indigenous reactor till date and located at Kakrapar in Gujarat. It is one of the twin unit of KAPP-3&4 project with a total capacity of 1400 MW.
- (c) &(d) Yes, Sir. fifteen more indigenous reactors of 700 MW each are at various stages of implementation, located in the states of Gujarat, Rajasthan, Haryana, Madhya Pradesh & Karnataka. In addition one more indigenous reactor of 500MW is in advanced stage of commissioning by BHAVINI at Kalpakkam, Tamil Nadu.
