

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO - 1281
ANSWERED ON 30/07/2026

OPERATION OF NUCLEAR REACTORS

1281. SMT MAYA NAROLIYA
SHRI SHIVESH KUMAR
DR. KALPANA SAINI
DR. DINESH SHARMA
SHRI NAVEEN JAIN
SHRI NARESH BANSAL
DR. SANDEEP KUMAR PATHAK
SHRI SAMIK BHATTACHARYA
SHRI RAJESH PARAMANAND SHUKLA
SHRI SUBHASH BARALA
SHRI BRIJ LAL

Will the PRIME MINISTER be pleased to state:-

- (a) the current status of ongoing nuclear energy projects in the country;
- (b) the details of recent developments in the commissioning and operation of indigenous nuclear reactors, including the Prototype Fast Breeder Reactor;
- (c) the operational performance of Nuclear Power Corporation of India Limited (NPCIL) during the last year; and
- (d) the details of major collaborations and initiatives undertaken to strengthen nuclear power generation in the country?

ANSWER

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

- (a) Presently, there are twenty nuclear power reactors (14600 MW) under implementation, comprising of ten reactors (8000 MW) under construction/ commissioning and ten reactors (6600 MW) under pre project activities.
- (b) Three reactors namely, KAPP-3&4 (2X700 MW) and RAPP-7 (700 MW) totaling to a capacity of 2100 MW have recently commenced commercial operation, while RAPP-8 (700 MW) is at an advance stage of commissioning. The 500 MW Prototype Fast Breeder Reactor (PFBR) has attained first criticality on 06.04.2026.

- (c) The total commercial electricity generation and Plant Load Factor (PLF) of nuclear power plants during the past year (2025-26) was about 55190 Million Units (MUs) and 79 % respectively.
- (d) To strengthen nuclear power generation in the country, NPCIL in the year 2025-26 has entered into collaboration with:
- Maharashtra State Power Generation Company (MAHAGENCO)
 - Maharashtra Institution for Transformation (MITRA) &
 - NLC India Limited (*formerly Neyveli Lignite Corporation India Limited*).
