

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.1606
ANSWERED ON 13/03/2025

EXPANSION OF NUCLEAR POWER CAPACITY

1606. SHRI AYODHYA RAMI REDDY ALLA

Will the PRIME MINISTER be pleased to state:-

- (a) the strategies which Government will employ to address the financial and technological challenges associated with the expansion of nuclear power capacity, particularly considering the increasing global competition from renewable energy sources; and
- (b) the manner in which Government plans to ensure that the expansion of nuclear power capacity is aligned with India's commitment to reducing greenhouse gas emissions and achieving a low-carbon economy, while also addressing concerns regarding nuclear waste management and disposal?

ANSWER

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

- (a) The Government has announced measures to enable private participation in nuclear power sector, which would bring in private capital for the ambitious expansion programme. The Government has also announced measures for enabling R&D in SMRs and new advanced technologies. The expansion programme is planned with a mix of the existing proven technologies and new nuclear technologies which will emerge from the R&D efforts.
- (b) Nuclear power is a clean base load source of power. Nuclear power expansion is planned in alignment with the country's commitment of Net Zero, to gradually replace the base load plants fuelled by fossil fuel. Technologies for management of nuclear waste are well established and facilities for the same are set up and operated at all nuclear power plant sites. Public outreach programmes to address public apprehensions in this context are ongoing.
