

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO- 601
ANSWERED ON 24/07/2025

**ENERGY SECURITY AND ENVIRONMENTAL PROTECTION THROUGH
NUCLEAR ENERGY PROJECTS**

601. DR. KALPANA SAINI

Will the PRIME MINISTER be pleased to state:-

- (a) the schemes initiated by Government during the last five years;
- (b) the improvements that took place in the country's energy security and environmental protection through nuclear power projects; and
- (c) the long-term benefits of these nuclear power projects?

ANSWER

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

- (a) In the last five years, the Government has accorded approval for setting up Bharat Small Reactors (BSR) with private capital investment in an approved business model to address the large decarbonisation requirement of hard to abate industries. In addition, Government has announced a Nuclear Energy Mission for Viksit Bharat aimed to reach 100 GW by 2047 and enabling private sector's participation. The Government has allocated Rs. 20,000 crore for R&D of Small Modular Reactors.
- (b) During the past five years, a total of 2100 MW nuclear power capacity has been added to the grid. In this period, about 241 Billion Units of clean electricity from nuclear power plants have been generated, avoiding over 207 Million Tons of CO₂ (equivalent) into the environment.
- (c) In long term, nuclear power will provide a clean base load electricity, ensuring energy security of the country. This will also aid clean energy transition for achieving the goal of Net Zero by 2070.
