

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
STARRED QUESTION NO. 58
ANSWERED ON 24.07.2025

NUCLEAR VISION 2047

*58. DR. BHAGWAT KARAD

Will the PRIME MINISTER be pleased to state:-

- (a) the current level of nuclear energy production in the country;
- (b) the key initiatives undertaken to achieve the target of 100 GW nuclear power capacity by the year 2047;
- (c) whether Government is exploring new sites and fast-tracking clearances for nuclear power plants; and
- (d) whether Government is collaborating with international partners or adopting advanced reactor technologies to meet the future energy demand?

ANSWER

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

(a) to (d): A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) IN RESPECT OF RAJYA SABHA STARRED QUESTION NO. 58 FOR REPLY ON 24.07.2025 REGARDING NUCLEAR VISION 2047 ASKED BY DR. BHAGWAT KARAD

- (a) Presently, the nuclear power contributes about 3% to the total electricity generation in the country. In FY 2024-25, nuclear power plants in the country generated about 56681 MUs of electricity.
- (b) The Government has announced an ambitious Nuclear Energy mission with a target of reaching a nuclear power capacity of 100 GW by 2047. In this regard, the Government has initiated the processes required for enabling large scale participation across the public and private sectors in nuclear power. The Government has also announced measures for enabling R&D in SMRs and new advanced technologies.
- (c) Department of Atomic Energy is exploring potential sites for setting up nuclear power plants in the country.
- (d) The prospects of collaborating with International partners are being explored. Several international companies have shown interest in this collaboration and preliminary discussions are currently underway.
