GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO-545
ANSWERED ON 23/07/2025

NUCLEAR POWER GENERATION

545. SMT. KAMALJEET SEHRAWAT
SHRI SUKHJINDER SINGH RANDHAWA
SHRI SHANKAR LALWANI
SHRI YOGENDER CHANDOLIA
SHRI BHARTRUHARI MAHTAB

Will the PRIME MINISTER be pleased to state:-

(a) the current status of nuclear power generation in the country;

(b) the details of steps taken/being taken by the Government to increase the sources of nuclear energy;

(c) the details of utilisation of nuclear energy at present and the steps taken/being taken by the Government to expand the said utilisation of nuclear energy; and

(d) the specific measures undertaken by the Government to achieve the 100 GW nuclear power capacity target by 2047?

ANSWER

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

(a) Presently nuclear power contributes about 3% to the total electricity generated in the country. In the year 2024-25, nuclear power plants generated 56681 Million Units (MUs) of electricity.

(b) to (d) The Government is making efforts to increase the nuclear fuel sources both by augmenting domestic production and imports from diverse sources. 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. The target is planned to be achieved by deploying reactors

based on existing and new advanced technologies under development. Presently, the installed nuclear power capacity in the country comprises of 24 reactors with a total capacity of 8780 MW (excluding RAPS-1 (100 MW) under extended shutdown). In addition, a total capacity of 13600 MW (including 500 MW PFBR being implemented by BHAVINI) is under different stages of implementation. On its progressive completion, the installed nuclear power capacity is expected to reach 22380 MW by the year 2031-32.

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