

PARLIAMENT QUESTION: NUCLEAR POWER GENERATION

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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.

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 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.

This information was given by Dr. Jitendra Singh, Union Minister of State (Independent Charge) for Science and Technology, Earth Sciences, MoS PMO, MoS Personnel, Public Grievances & Pensions, Department of Atomic Energy and Department of Space, in a written reply in the Lok Sabha today.

NKR/PSM

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