GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO-5306
ANSWERED ON 25/03/2026

EXPANSION OF NUCLEAR POWER CAPACITY

5306. DR. ALOK KUMAR SUMAN

Will the PRIME MINISTER be pleased to state:-

(a) the details of the current nuclear power capacity along with the reactors under construction;
(b) the details of safety measures adopted in this regard;
(c) the details of the international cooperation agreements signed; and
(d) the details of the target capacity set to be achieved by 2030?

ANSWER

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

(a) The present installed nuclear power capacity is 8.78 GW (excluding RAPS-1). Presently five PHWRs with a capacity of 3500 MW are under construction and eight with a capacity of 5600 MW are under pre-project activities. Four PWRs with a total capacity of 4000 MW are under construction. These projects are at various stages of implementation and are scheduled to be progressively completed by 2031-32.

In addition, BHAVINI is currently commissioning a 500 MWe Prototype Fast Breeder Reactor (PFBR) project at Kalpakkam, Tamil Nadu.

(b) Highest priority is accorded to safety in all aspects of nuclear power viz. siting, design, construction, commissioning, and operation. Nuclear power plants are designed adopting safety principles of redundancy, diversity and provided fail-safe design features following a defence-in-depth approach, in line with codes and guides of Atomic Energy Regulatory Board (AERB). The operations are performed adopting well laid out procedures by highly qualified, trained and licensed personnel.

(c) India has signed Inter Governmental Agreement (IGA) with 18 countries on Civil Nuclear Co-operation for peaceful purpose.

(d) The present target is to achieve a capacity of about 22 GW by 2031-32 by progressive completion of projects presently at various stages of implementation.

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