

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO-2086
ANSWERED ON 07/08/2025

PRODUCTION OF NUCLEAR ENERGY VIS-À-VIS TOTAL ENERGY

2086. SHRI C. VE. SHANMUGAM

Will the PRIME MINISTER be pleased to state:-

- (a) whether it is a fact that the production of nuclear energy vis-à-vis the total energy production in the country is minimal;
- (b) if so, the details thereof;
- (c) steps taken by the Government to augment nuclear energy production in the country;
- (d) whether Government is considering to set up some more nuclear power plants in the country, especially in Tamil Nadu;
- (e) if so, the details thereof; and
- (f) steps taken by Government in this regard?

ANSWER

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

- (a) & (b) The contribution of nuclear energy in the total electricity generation in the country is about 3%. In the year 2024-25, as against total electricity generation in the country of about 1830 Billion Units, nuclear power contributed about 56.7 Billion Units (~ 3.1%).
- (c) The Government proposes to increase the share of nuclear power in total generation by augmenting nuclear power capacity. The present capacity of 8780 MW (excluding RAPS-1 – 100 MW) is planned to be increased to 22380 MW on progressive completion of projects under implementation. Further, the Government has announced a nuclear energy mission of reaching a nuclear power capacity of 100 GW by 2047.
- (d) to (f) Yes. Presently four nuclear power reactors – KKNPP 3&4 (2X1000 MW) and KKNPP 5&6 (2X1000 MW) are under construction at Kudankulam in Tamil Nadu. BHAVINI is also setting up a 500 MWe Prototype Fast Breeder Reactor (PFBR) project at Kalpakkam, Tamil Nadu.
