

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO.484**  
TO BE ANSWERED ON 07.12.2023

**Status of nuclear energy sector in the country**

484 Dr. Sasmit Patra:

Will the PRIME MINISTER be pleased to state:

- (a) the present capacity and electricity contribution from nuclear energy in India;
- (b) whether Government plans to use nuclear energy to achieve the net zero emission target of the country;
- (c) whether Government is considering private investment in the nuclear energy sector, if so, the details thereof; and
- (d) If not, the reasons therefor?

**ANSWER**

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

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- a) The present installed nuclear power capacity is 7480 MW and contribution in total electricity generation in the country is about 2.9% (in 2022-23).
- b) Nuclear power is clean and environmental friendly source of base load power available 24x7. Nuclear capacity expansion programme is one of the means to achieve country's energy transition towards the goal of net zero. In this context, an expansion programme to increase the nuclear power capacity from 7480 MW to 22480 MW by 2031-32 is under implementation. The Government has also accorded 'in principle' approval for five new sites to set up nuclear power plants in future.
- (c)&(d) No Sir, Government of India has amended the Atomic Energy Act, 1962 in 2015 to enable Joint Ventures of Public Sector Enterprises to set up nuclear power projects to boost domestic investment.

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