

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO.299**  
TO BE ANSWERED ON 03.02.2021

**NUCLEAR ENERGY PRODUCTION**

299. SHRI B. Y. RAGHAVENDRA:

Will the PRIME MINISTER be pleased to state:

- (a) whether it is true that nuclear energy is going to be the main source of energy for India's rising energy requirements in the near future;
- (b) if so, the details thereof;
- (c) the details of the present status of nuclear energy production in India;
- (d) whether the Government has any proposal to increase the capacity of nuclear energy production in the country; and
- (e) if so, the details thereof?

**ANSWER**

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

---

- (a)&(b) Nuclear energy is a clean, environment friendly base load source of power available 24X7. It also has huge potential which can ensure long term energy security of the country in a sustainable manner. Therefore nuclear energy is an important component of the country's energy mix and is being pursued along with other sources of energy in an optimal manner.
- (c) There are presently 22 reactors with a total capacity of 6780 MW in operation and one reactor, KAPP-3 (700 MW) has been connected to the grid on January 10, 2021. In addition, there are 8 reactors (including 500 MW PFBR being implemented by BHAVINI) totaling to 6000 MW under construction at various stages.
- (d) Yes, Sir.
- (e) The Government has accorded administrative approval and financial sanction for construction of 12 nuclear power reactors - 10 indigenous 700 MW Pressurized Heavy Water Reactors (PHWRs) to be set up in fleet mode & 2 units of Light Water Reactors (LWRs) to be set up in cooperation with Russian Federation. On progressive completion of the projects under construction and accorded sanction, the nuclear capacity is expected to reach 22480 MW by 2031. The Government has also accorded 'In-Principle' approval for five new sites for locating nuclear power plants in future.

\*\*\*\*\*