

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.2402
TO BE ANSWERED ON 24.03.2022

NUCLEAR ENERGY PRODUCTION IN THE COUNTRY

2402 Shri P. Bhattacharya:
Lt. Gen. (Dr.) D. P. Vats (Retd.):

Will the PRIME MINISTER be pleased to state:

- (a) whether it is a fact that nuclear energy is going to be the main source of energy for country'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 the country;
- (d) whether 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 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. In addition, expansion of nuclear power capacity will also help in the country's energy transition for meeting the goal of net zero economy. 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 in January-2021. There are presently 11 reactors under construction at various stages (including KAPP-3 (700 MW) connected to grid) totaling to 8700 MW.

(d) Yes, Sir.

(e) The government has accorded administrative approval and financial sanction for construction 10 indigenous 700 MW Pressurized Heavy Water Reactors (PHWRs) to be set up in fleet mode. On progressive completion of the projects under construction (8700 MW) and accorded sanction (7000 MW), 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 more nuclear power plants.
