

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 5
TO BE ANSWERED ON 20.07.2023

Net zero carbon economy

5 Shri Ayodhya Rami Reddy Alla:

Will the PRIME MINISTER be pleased to state:

- (a) whether there exists an Action plan to scale up nuclear energy in order to achieve the target of making India a net zero carbon economy by 2070, if so, the details thereof;
- (b) the details of the potential economic benefits and challenges associated with transitioning to a net zero carbon economy; and
- (c) whether there are specific targets or milestones set by Government for achieving a net zero carbon economy, and the manner in which progress and accountability is measured therein?

ANSWER

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

- (a) Yes, Sir. The present installed nuclear power capacity is set to increase from 7480 MW to 22480 MW by 2031 on progressive completion of projects under construction and accorded sanction. The Government has also accorded 'in principle' approval for new sites to set up nuclear reactors in future.
- (b) India is not very rich in fossil fuel resources and considering the large and growing energy demand, all energy sources are deployed optimally. Nuclear power is a clean and environment friendly base load source of electricity generation, which is available 24X7. It also has a huge potential and can provide the country long term energy security in a sustainable manner. Expansion of nuclear power capacity will help in the country's energy transition for meeting the goal of net zero carbon economy.

- (c) "Hon'ble Prime Minister in his statement at COP26 Summit held in Glasgow has stated that India will reach its non-fossil energy capacity to 500 GW by 2030 and India will meet 50 percent of its energy requirements from Renewable Energy by 2030." With the progressive deployment of clean technologies like nuclear power and renewable it is envisaged to achieve the objective of a net zero carbon economy by 2070.
