

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 5688
TO BE ANSWERED ON 06.04.2022

NUCLEAR ENERGY

5688. MS. LOCKET CHATTERJEE:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government is planning to explore the option of using nuclear energy to solve the energy needs of the country and if so, the details thereof; and
- (b) whether the Government is planning to explore new and innovative options to replace country's dependence on fossil fuels and if so, the details thereof?

ANSWER

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

- (a) Yes, Sir. Nuclear power is clean & environment friendly source of base load power available 24X7. Its life cycle Greenhouse gas emissions are comparable to that of renewables. It has huge potential and can provide the country long term energy security in a sustainable manner. In this context, the Government is implementing an indigenous three-stage nuclear power programme along with additionalities based on foreign cooperation to meet the energy needs of the country. A large nuclear power capacity addition programme to increase the present installed capacity of 6780 MW to 22480 MW by 2031 is under implementation.
- (b) Considering the country's large dependence on imports for fossil fuels and in line with the objective of achieving a net zero economy by 2070, clean technologies like renewable and nuclear power are being expanded. Innovative options like production of clean Hydrogen using electricity from nuclear power are also being explored in this regard.
