

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 962
TO BE ANSWERED ON 15.12.2022

Nuclear power generation

962. Smt. Jebi Mather Hisham:

Will the PRIME MINISTER be pleased to state:

- (a) the period during which the country emerged out of nuclear exile, which allowed access to foreign technology and raw materials for its civil programmes, details thereof;
- (b) the data on quantum of nuclear power generation at present, year-wise information during the last five years;
- (c) the quantum of nuclear power generation projected when the incumbent Government came to power in May 2014;
- (d) the data on total spending for nuclear power generation, financial year-wise details during the last five years;
- (e) total installed capacity of nuclear power stations across the country; and
- (f) the installed capacity and actual generation of nuclear power?

ANSWER

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

- (a) During 2005 to 2008, discussions with USA and other major nuclear powers and the International Atomic Energy Agency (IAEA) led to fruition of International cooperation in nuclear energy with the clearance of the Nuclear Suppliers Group in September 2008. Subsequently, India specific Safeguards Agreement with IAEA and Intergovernmental agreements on bilateral cooperation with France, USA and Russian Federation were concluded.

- (b) The details of electricity generation from nuclear power plants in the last five years are as under:

Year	2017-18	2018-19	2019-20	2020-21	2021-22
Generation (Million Units)	38336	37813	46472	43029	47112

- (c) The Government in July 2014, announced tripling of the then existing capacity of 4780 MW during next ten years i.e. by 2024.

- (d) The details of Capital Expenditure of NPCIL in the last five years are as follows:

Year	2017-18	2018-19	2019-20	2020-21	2021-22
CAPEX (Rs. crore)	7881	11813	10041	10052	14235

- (e) The present installed nuclear power capacity in the country is 6780 MW.
- (f) At present, out of the installed capacity of 6780 MW, RAPS-1 (100 MW) is under extended shutdown. TAPS 1&2 (2X160 MW) & MAPS-1 (220 MW) are under project mode to take up improvements to enhance their performance. The remaining 6140 MW is operating at its rated capacity.
