

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.1762
TO BE ANSWERED ON 17.03.2022

EXPANSION PLAN OF NUCLEAR POWER CAPACITY

1762 Shri Harnath Singh Yadav:
Shri P. Bhattacharya:

Will the PRIME MINISTER be pleased to state:

- (a) the details of nuclear power generation capacity added during the last three years including the current year;
- (b) the amount of funds spent on maintenance and upgradation of nuclear power plants during that period and the per unit cost of power generation;
- (c) the target set for generation of nuclear power during the current year and the progress made in this regard, so far; and
- (d) whether Government is planning to expand the capacity of existing and new plants to meet the growing energy needs 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) There has been no nuclear power capacity addition during the last three years including the current year. However, in this period, Unit-3 of Kakrapar Atomic Power Project-3&4 (KAPP-3&4), the first of a kind indigenous 700 MW Pressurised Heavy Water Reactor (PHWR) was synchronized with the grid.
- (b) The details of capital expenditure incurred on operating stations and average tariff of Nuclear Power Corporation of India Limited (NPCIL) during the last three years and the current year are as follows:

Year	2018-19	2019-20	2020-21	2021-22 (up to February 2022) (Provisional)
Capital Expenditure (Rs. crore)	741.03	688.25	439.81	382.81
Average Tariff of Nuclear Power (Rs. per Unit)	3.40	3.38	3.42	3.57

- (c) The electricity generation target of nuclear power for the year 2021-22 is 45,662 Million Units. The actual generation achieved so far (upto February-2022) is 42,705 Million Units.
- (d) Nuclear power capacity expansion is planned by setting up additional nuclear power reactors at existing sites where there is potential and at green field sites. The present installed nuclear power capacity of 6780 MW is planned to be increased to 22480 MW by 2031 progressively, on completion of projects under construction and accorded sanction.
