

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 806
TO BE ANSWERED ON 09.02.2023

Contribution of country's Nuclear Programme

806 Shri Jugalsinh Lokhandwala:

Will the PRIME MINISTER be pleased to state:

- (a) whether the country's Nuclear Programme contributes significantly to the daily power generation, if so, the details thereof;
- (b) the details of new nuclear power plants which are in pipeline; and
- (c) the steps taken by Government to decrease the import dependence on critical technology components?

ANSWER

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

(a) Yes, Sir. Indian nuclear power plants in 2021-22 generated 47112 Million Units (MU) of electricity, about 130 MU per day on an average.

(b) The details of new nuclear power plants in pipeline are as follows:

| State | Location | Project | Capacity(MW) |
|---|---------------|-------------------------|--------------|
| Projects Under Construction | | | |
| Gujarat | Kakrapar | KAPP-3 ^s & 4 | 2 X 700 |
| Rajasthan | Rawatbhata | RAPP-7&8 | 2 X 700 |
| Tamil Nadu | Kudankulam | KKNPP-3&4 | 2 X 1000 |
| | | KKNPP-5&6 | 2 X 1000 |
| | Kalpakkam | PFBR@ | 1 x 500 |
| Haryana | Gorakhpur | GHAVP-1&2 | 2 X 700 |
| Projects Accorded Administrative Approval & Financial Sanction | | | |
| Karnataka | Kaiga | Kaiga-5&6 | 2 X 700 |
| Haryana | Gorakhpur | GHAVP- 3&4 | 2 X 700 |
| Madhya Pradesh | Chutka | Chutka-1&2 | 2 X 700 |
| Rajasthan | Mahi Banswara | Mahi Banswara-1&2 | 2 X 700 |
| | | Mahi Banswara-3&4 | 2 X 700 |

\$ KAPP-3 (700 MW) has been connected to the grid in January, 2021

@ being implemented by BHAVINI

- (c) The critical components for reactors based on indigenous technologies are sourced from Indian industries. In respect of reactors being set up with foreign cooperation, efforts are underway to increase indigenous supplies through various initiatives.
