

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO.2921**  
TO BE ANSWERED ON 20.12.2023

**Nuclear Power Generation**

2921. SHRI RAJENDRA DHEDYA GAVIT:

Will the PRIME MINISTER be pleased to state:

- (a) the salient features of Nuclear power generation during the last ten years;
- (b) the details of additional nuclear power generated during this period; and
- (c) the details of future projects in pipeline?

**ANSWER**

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

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- (a) In the last 10 years, nuclear power generation in the country continued to demonstrate excellent safety. Performance landmarks like completion of 50 years of operation of TAPS 1&2 (presently oldest reactors in the world), setting of world record in continuous operation by KGS-1 of 962 days were achieved in the last 10 years. The total electricity generated from nuclear power plants during the last ten years (2013-14 to 2022-23) was about 411 BUs averting release of about 353 Million Tons of CO<sub>2</sub> equivalent to the environment.
- (b) The annual electricity generation from nuclear power plants has increased from 35334 Million Units (including infirm) in 2013-14 to 46982 Million Units (including infirm) in 2022-23. The installed nuclear power capacity in 2013-14 has also increased from 4780 MW to 7480 MW at present.
- (c) The details of the future nuclear power projects are given in Annexure.

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State	Location	Project	Capacity (MW)
<b>Projects Under Construction / Commissioning</b>			
Gujarat	Kakrapar	KAPP-3 <sup>\$</sup> & 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 <sup>@</sup>	1 X 500
Haryana	Gorakhpur	GHAVP-1&2	2 X 700
<b>Projects Accorded Administrative Approval &amp; Financial Sanction and under pre-project activities</b>			
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 commenced commercial operation in June-2023.*

*@ Being implemented by BHAVINI.*

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