GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2
TO BE ANSWERED ON 20.07.2023

Power generation using nuclear technology

2 Shri Sanjeev Arora:

Will the PRIME MINISTER be pleased to state:

(a) the quantum of power produced in India by using nuclear technology;

(b) the percentage of such power of whole power produced in the country;

(c) the details of nuclear power produced, State/UT-wise; and

(d) whether Government is planning to build more nuclear reactors and plants, if so the details thereof?

ANSWER

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

(a) The present installed nuclear power capacity in the country is 7480 MW comprising of 23 nuclear power reactors. In the year 2022-23, nuclear power reactors generated 46982 Million Units of electricity (including infirm generation).

(b) The share of nuclear power in the total electricity generation in the country was about 2.8% in the year 2022-23.

(c) The details are given in annexure.

(d) Yes, Sir. The present installed nuclear power capacity is set to increase from 7480 MW to 22480 MW by 2031 on progressive completion of projects under construction and accorded sanction. The Government has also accorded 'in principle' approval for new sites to set up nuclear reactors in future.

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Annexure

State	Location	Unit	Capacity (MW)
Maharashtra	Tarapur	TAPS-1[&]	160
		TAPS-2[&]	160
		TAPS-3	540
		TAPS-4	540
Rajasthan	Rawatbhata	RAPS-1[@]	100
		RAPS-2	200
		RAPS-3[&]	220
		RAPS-4	220
		RAPS-5	220
		RAPS-6	220
Tamil Nadu	Kalpakkam	MAPS-1[&]	220
		MAPS-2	220
	Kudankulam	KKNPP-1	1000
		KKNPP-2	1000
Uttar Pradesh	Narora	NAPS-1	220
		NAPS-2	220
Gujarat	Kakrapar	KAPS-1	220
		KAPS-2	220
		KAPS-3*	700
Karnataka	Kaiga	KGS-1	220
		KGS-2	220
		KGS-3	220
		KGS-4	220

[@] RAPS-1 is under extended shutdown for techno-economic assessment.
[&] TAPS-1&2, RAPS-3 & MAPS-1 are presently under project mode.
**Presently being operated at 90% power.*