GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1462
TO BE ANSWERED ON 19.12.2018

POWER GENERATED BY NPCIL

1462. SHRI BIDYUT BARAN MAHATO:
SHRI NARANBHAI KACHHADIYA:
SHRI RAMDAS C. TADAS:
SHRI CHANDRA PRAKASH JOSHI:
SHRI SUMEDHANAND SARSWATI:

Will the PRIME MINISTER be pleased to state:

(a) the quantum of power in MW being generated by NPCIL at present along with the nuclear power plant-wise details thereof;

(b) whether there has been any rise in power generation by NPCIL during the last three years;

(c) if so, the quantum of increase in power generation and the location where such increase has taken place; and

(d) the number of the nuclear power plants sanctioned by the Government for being set up along with the number of the nuclear power plants proposed to be set up?

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 comprises of 22 reactors with an installed capacity of 6780 MW. Of these, at present three reactors are under shutdown Rajasthan Atomic Power Station (RAPS) -1 (100 MW) under extended shutdown for techno-economic assessment, Kakrapar Atomic Power Station (KAPS) -1 (220 MW) for Renovation & Modernisation and Madras Atomic Power Station (MAPS) -1 (220 MW) for Endshield works and 19 reactors with a capacity of 6240 MW are in operation. The plant-wise details are enclosed as Annexure.

(b) Yes, Sir.

(c) A capacity of 1000 MW was added in March 2017 at Kudankulam, Tamil Nadu, with the start of commercial operation on Unit-2 of Kudankulam Nuclear Power Project (KKNPP-2).

(d) The Government has accorded administrative approval and financial sanction for setting up 12 more reactors with a capacity of 9000 MW. The details are:

Location & State	**Project**	**Capacity(MW)**
Chutka, Madhya Pradesh	Chutka -1&2	2 X 700
Kaiga, Karnataka	Kaiga - 5&6	2 X 700
Mahi Banswara, Rajasthan	Mahi Banswara - 1&2	2 X 700
Gorakhpur, Haryana	GHAVP - 3&4	2 X 700
Mahi Banswara, Rajasthan	Mahi Banswara - 3&4	2 X 700
Kudankulam, Tamil Nadu	KKNPP 5&6	2 X 1000

On progressive completion of the projects under construction and accorded sanction, the installed nuclear power capacity will reach 22480 MW by 2031.

The Government has also accorded 'in principle' approval of the following sites for setting up nuclear power plants in future:

Location & State	**Site**	**Capacity (MW)**
Jaitapur, Maharashtra	Jaitapur, Units- 1 to 6	6 x 1650
Kovvada, Andhra Pradesh	Kovvada, Units- 1 to 6	6 x 1208
Chhaya Mithi Virdi, Gujarat	Chhaya Mithi Virdi, Units- 1 to 6	6 x 1000*
Haripur, West Bengal	Haripur, Units – 1 to 6	6 x 1000*
Bhimpur, Madhya Pradesh	Bhimpur, Units- 1 to 4	4 X 700

**Nominal Capacity*

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Annexure

Unit	State	Location	Type of Reactor	Capacity (MW)
TAPS-1	Maharashtra	Tarapur	LWR (BWR)	160
TAPS-2				160
TAPS-3			PHWR	540
TAPS-4				540
RAPS-1*	Rajasthan	Rawatbhata		100
RAPS-2				200
RAPS-3				220
RAPS-4				220
RAPS-5				220
RAPS-6				220
NAPS-1	Uttar Pradesh	Narora		220
NAPS-2				220
KAPS-1#	Gujarat	Kakrapar		220
KAPS-2				220
KGS-1	Karnataka	Kaiga		220
KGS-2				220
KGS-3				220
KGS-4				220
MAPS-1@	Tamil Nadu	Kalpakkam		220
MAPS-2				220
KKNPP-1		Kudankulam	LWR (VVER)	1000
KKNPP-2				1000

* RAPS-1 is under extended shutdown for techno-economic assessment for continued operation.

KAPS-1 is under Renovation & Modernisation from August 01, 2016.

@ MAPS-1 is under shutdown for Endshield works from April 01, 2018