

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO.2762
TO BE ANSWERED ON 20.12.2023

Nuclear Power Capacity

2762. SHRI KANUMURU RAGHU RAMA KRISHNA RAJU:

Will the PRIME MINISTER be pleased to state:

- (a) whether the country's nuclear power capacity is around 6,780 MW and if so, the details thereof along with the demand and supply till date, State-wise;
- (b) the steps being taken to increase the same in coordination with the States including Andhra Pradesh and Telangana to meet future demands of the country;
- (c) whether any task forces/committees have been appointed for this purpose and if so, the details thereof including reports received and the action taken thereon; and
- (d) if not, the time by which such steps will be taken along with the expenditure of the Government to produce nuclear power capacity indicating the purpose for which such power will be used?

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. The state-wise details of installed nuclear power capacity are given in Annexure.
- (b) & (c) The Government has initiated steps to increase the nuclear power capacity from 7480 MW to 22480 MW by 2031-32 in the state of Gujarat, Rajasthan, Tamil Nadu, Haryana, Karnataka and Madhya Pradesh. Close coordination is maintained with the State Governments during all phases of the construction and subsequent operations of the Nuclear Power Plants. The Government has accorded in-principle approval to set up 6 x 1208 MW nuclear power plant in cooperation with the USA at Kovvada in Srikakulam district in the state of Andhra Pradesh.
- (d) Nuclear Power is a clean and environment friendly base load source of electricity generation, which is available 24X7. It has huge potential and can provide the country long term energy security in a sustainable manner. Expansion of nuclear power capacity will help in the country's energy transition for meeting the goal of a net zero economy by 2070.

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.
