

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1300
TO BE ANSWERED ON 23.11.2016

CONSTRUCTION OF NUCLEAR POWER PLANTS

1300. SHRI ANOOP MISHRA:
SHRI GODSE HEMANT TUKARAM:

Will the PRIME MINISTER be pleased to state:

- (a) the details of operational and under construction nuclear power plants in the country alongwith the time by which under construction plants are likely to generate energy;
- (b) whether the operational plants are not generating energy as per their installed capacity if so, the details thereof and the reasons therefor; and
- (c) the share of present nuclear power generation in total power production in the country?

ANSWER

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

- (a) There are 21 nuclear power plants which are operational in the country with a total capacity of 5780 MW. In addition, the second unit of Kudankulam KKNPP-2 (1000 MW) is connected to the southern grid and is presently generating infirm power. The unit is expected to start commercial operation by end of this year. There are four nuclear power reactors under construction, each of 700 MW, which are progressively expected to be completed by 2019. The details are attached in the Annexure.

Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI), a public sector company under Department of Atomic Energy (DAE) is constructing one 500 MWe Prototype Fast Breeder Reactor (PFBR) at Kalpakkam, Tamil Nadu. PFBR is under advanced stage of commissioning.

- (b) No, Sir. At present nuclear power reactors in operation are being operated close to their rated capacity.
- (c) The share of nuclear power in the total electricity generation in the country was about 3.4% in the year 2015-16.

Annexure referred to in reply to Part (a) of Lok Sabha Unstarred Question No. 1300 for answer on 23.11.2016

Annexure

Operational Nuclear Power Plants in the country

State	Location	Units	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
Uttar Pradesh	Narora	NAPS-1	220
		NAPS-2	220
Gujarat	Kakrapar	KAPS-1 [#]	220
		KAPS-2 [#]	220
Karnataka	Kaiga	KGS-1	220
		KGS-2	220
		KGS-3	220
		KGS-4	220

*Under extended shutdown for techno-economic assessment for continued operation.

[#] Presently the units are under long shutdown for Enmasse Coolant Channel Replacement (EMCCR) and Enmasse Feeder Replacement (EMFR)

Nuclear Power Projects under construction

Project	Capacity (MW)	Status
KAPP-3&4, Kakrapar, Gujarat	2 X 700	Under Construction, expected completion by 2019
RAPP-7&8, Rawatbhata, Rajasthan	2 X 700	
