



Commissioning of Nuclear Reactors

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The current installed nuclear power capacity in the country comprises of 21 reactors with a total capacity of 5780 MW. One more reactor, KKNPP-2 (1000 MW) is presently generating infirm (non-commercial) power and commencement of its commercial operation will take the nuclear installed capacity to 6780 MW. The details of their location, date of start of commercial operation and capacity are as below:

State	Location	Units	Capacity (MW)	Date of Commercial Operation
Maharashtra	Tarapur	TAPS-1	160	28-Oct-1969
		TAPS-2	160	28-Oct-1969
		TAPS-3	540	18-Aug-2006
		TAPS-4	540	12-Sep-2005
Rajasthan	Rawatbhata	RAPS-1*	100	16-Dec-1973
		RAPS-2	200	01-Apr-1981
		RAPP-3	220	01-Jun-2000
		RAPS-4	220	23-Dec-2000
		RAPS-5	220	04-Feb-2010
		RAPS-6	220	31-Mar-2010
Tamil Nadu	Kalpakkam	MAPS-1	220	27-Jan-1984
		MAPS-2	220	21-Mar-1986
	Kudankulam	KKNPP-1	1000	31-Dec-2014
		KKNPP-2**	1000	**
Uttar Pradesh	Narora	NAPS-1	220	01-Jan-1991
		NAPS-2	220	01-Jul-1992
Gujarat	Kakrapar	KAPS-1 [#]	220	06-May-1993
		KAPS-2 [#]	220	01-Sep-1995
Karnataka	Kaiga	KGS-1	220	16-Nov-2000
		KGS-2	220	16-Mar-2000
		KGS-3	220	06-May-2007
		KGS-4	220	20-Jan-2011

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

** Presently, generating infirm (non-commercial) power and is expected to be in commercial operation soon.

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

In the current financial year 2016-17 (upto February 2017), the electricity generation from nuclear power on commercial basis was 34136 Million Units. In addition, Kudankulam Nuclear Power Project (KKNPP), Unit-2 has generated 2086 Million Units of infirm power (non-commercial) during this period. Thus, 36223 Million Units of electricity has been generated from nuclear power as against 903694 Million Units from fossil fuel sources (source: CEA), which is about 4% of the energy generated from fossil fuel in the current financial year 2016-17 (up to Feb-2017).

This information was provided by the Union Minister of State (Independent Charge) Development of North-Eastern Region (DoNER), MoS PMO, Personnel, Public Grievances & Pensions, Atomic Energy and Space, Dr Jitendra Singh in a written reply to a question in Rajya Sabha today.

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