

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO.936
TO BE ANSWERED ON 16.07.2014

SHARE OF NUCLEAR ENERGY

936. SHRI KAUSHALENDRA KUMAR:
SHRI RAVNEET SINGH:

Will the PRIME MINISTER be pleased to state:

- (a) the share of India's nuclear energy in total electricity generation in the country *vis-a-vis* other major countries;
- (b) the number of nuclear plants that are functional in the country with their capacity to generate electricity and location of each plants; and
- (c) the number of nuclear plants under construction along with their capacity and location?

ANSWER

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

- (a) The share of nuclear energy in total electricity generation during the year 2013 was about 3.5%. The share of nuclear energy in electricity generation during the year calendar 2013 for some of the nuclear power generating countries is as follows:

Country	Nuclear Share in 2013(%)
USA	19.4
UK	18.3
Russian Federation	17.5
France	73.3
Korea	27.6
Germany	15.4
China	2.1

Source: PRIS, IAEA

- (b) The installed nuclear power capacity of 4780 MW in the country comprises 20 nuclear power plant units. In addition, Kudankulam Nuclear Power Plant (KKNPP) Unit-1 of 1000 MW capacity, situated at Kudankulam, Tamil Nadu, was connected to the grid on October 22, 2013.

The details in this regard are as under:

Location & State	UNITS	Capacity MW
Tarapur, Maharashtra	TAPS-1	160
	TAPS-2	160
	TAPS-3	540
	TAPS-4	540
Rawatbhata, Rajasthan	RAPS-1*	100*
	RAPS-2	200
	RAPS-3	220
	RAPS-4	220
	RAPS-5	220
	RAPS-6	220
Kalpakkam, Tamil Nadu	MAPS-1	220
	MAPS-2	220
Narora, Uttar Pradesh	NAPS-1	220
	NAPS-2	220
Kakrapar, Gujarat	KAPS-1	220
	KAPS-2	220
Kaiga, Karnataka	KAIGA-1	220
	KAIGA-2	220
	KAIGA-3	220
	KAIGA-4	220

* RAPS # 1 (100 MW) is under shutdown since October, 2004 for techno-economic assessment.

- (c) One reactor, KKNPP Unit – 2 (1000 MW) is under commissioning, and five reactors are under various stages of construction. The details are as under

UNITS	Location & State	Capacity (MW)
KAPS-3	Kakrapar, Gujarat	700
KAPS-4		700
RAPS-7	Rawatbhata, Rajasthan	700
RAPS-8		700
PFBR	Kalpakkam, Tamil Nadu	500

*KAPS – Kakrapar Atomic Power Station,
RAPS-Rajasthan Atomic Power Station
PFBR- Prototype Fast Breeder Reactor*
