

**GOVERNMENT OF INDIA  
ATOMIC ENERGY  
LOK SABHA**

UNSTARRED QUESTION NO:5075  
ANSWERED ON:13.08.2014  
GENERATION OF ATOMIC ENERGY  
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**Will the Minister of ATOMIC ENERGY be pleased to state:**

- (a) the quantum of electricity generated through nuclear power plants during each of the last three years and the current year and the target set by the end of 12th Five Year plan;
- (b) whether some of the nuclear plants are not generating electricity as per their optimum capacity;
- (c) if so, the details thereof, plant-wise and the reasons therefor; and
- (d) the details of nuclear power plants being set up in cooperation with foreign countries alongwith their capacity of each of these plants, the investment being made and the time by which these plants are likely to become critical?

**Answer**

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

- (a) The generation of electricity from the nuclear power stations during each of the last three years and the current year is as given below:

Year Generation in Million Units (MUs)  
(rounded-off to the nearest figure)

2011-12 32455

2012-13 32863

2013-14 35333#

2014-15 12682##

(up to July 31, 2014)

# This includes 1106 MUs infirm power generation from KKNPP-1.

## This includes 1519 MUs infirm power generation from KKNPP-1.

The target set for the generation of electricity through the nuclear power stations in the XII Five Year Plan is 241748 MUs.

- (b)&(c) Ten nuclear power reactors, viz. Kaiga Generating Station (KGS) units 1 to 4 at Kaiga, Karnataka; Narora Atomic Power Station (NAPS) units 1&2 at Narora, Uttar Pradesh; Madras Atomic Power Station (MAPS) units 1& 2 at Kalpakkam, Tamil Nadu; and Tarapur Atomic Power Station (TAPS) units 3 &4 at Tarapur, Maharashtra use indigenous uranium. Due to a mismatch between demand and supply of domestic uranium, the total power generated by these reactors is generally lower than their gross installed capacity of 2840 MW. Following extensive work for exploration and extraction of uranium in the country, the identified in situ reserves of uranium in the country have been progressively increasing.

- (d) The XII Five Year Plan proposals envisage start of work on the following nuclear power plants based on international cooperation:

Kudankulam Units - 3&4, Tamil Nadu 2 x 1000

Jaitapur Units - 1&2, Maharashtra 2 x 1650

Kovvada Units - 1&2, Andhra Pradesh 2 x 1500

Chhaya Mithi Virdi Units - 1&2, Gujarat 2 x 1100

The administrative approval and financial sanction has been accorded by the government in respect of Kudankulam Nuclear Power Plants (KKNPP) Units 3&4 at Kudankulam, Tamil Nadu. The project is scheduled to be completed by November 2020 at the cost of ` 39849 crore.

The cost, schedule and the other related aspects in respect of remaining projects are currently under discussion and these projects are planned for progressive completion in the XIII/XIV Five Year plans.