

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:4954
ANSWERED ON:13.08.2014
SHARE OF NUCLEAR POWER GENERATION
Roy Prof. Saugata

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether the percentage share of nuclear power generation in the country is very low as compared to other sources of power generation;
- (b) if so, the details thereof during the last three years and the current year ;
- (c) the expected share of nuclear power in the country by the end of the current Five Year Plan;
- (d) the details of the total investment made for nuclear power generation in the country;
- (e) whether nuclear power generation is costlier than other sources of power generation; and
- (f) if so, the details thereof and the reasons therefor?

Answer

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

(a)&(b)The share of nuclear power in the total electricity generation of the country during the last three years and the current year is as given below:

Year	% Share of generation from Nuclear Power
2011-12	3.68
2012-13	3.60
2013-14	3.50
2014-2015	3.14

April to July 2014)
Source : Central Electricity Authority

(c) The share of nuclear power in total electricity generation in the country is expected to gradually increase with progressive addition of nuclear capacity under construction by the end of the XII Five Year Plan. The share of nuclear power in the country at the end of XII Five Year Plan (2017) would also depend on the then generation from various other sources.

(d) The total investment made in setting up of nuclear power stations (currently in operation) of Nuclear Power Corporation of India Limited (NPCIL) as of March 31, 2014 was ` 21982.20 crore (Gross Block of NPCIL). In addition, an amount of ` 26084.34 crore had been invested in projects currently under various stages of commissioning / construction (capital works in progress) of NPCIL as of March 31, 2014. A sum of ` 4541.60 crore has been invested in the Prototype Fast Breeder Reactor (PFBR) project being implemented by Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI) at Kalpakkam in Tamil Nadu. Government has also released ` 42.6 crore for pre-project activities for Fast Breeder Reactor (FBR) Units 1&2.

(e)&(f) No, Sir. The tariff of electricity through nuclear energy is comparable to those of the contemporary, conventional base load power generating units (like coal-based thermal power) located in the area/region.