GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 594
TO BE ANSWERED ON 27.04.2016

FAST BREEDER REACTORS

594. SHRI KIRTI AZAD:

Will the PRIME MINISTER be pleased to state:

(a) whether the Government is planning to construct six more Fast Breeder Reactors to meet India's energy needs and if so, the details thereof;

(b) the cost likely to be incurred in construction of the said Fast Breeder Reactors;

(c) whether the first Prototype Fast Breeder Reactor at Kalpakkam is ready to go critical;

(d) if so, the details thereof;

(e) whether the per unit cost of electricity produced from such reactors will be comparable to other conventional energy sources like thermal and hydro-electric power; and

(f) if so, the details thereof and if not, the reasons therefor?

ANSWER

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

(a) Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI), a Public Sector Undertaking of this Department is presently constructing a 500 MW capacity Prototype Fast Breeder Reactor (PFBR) at Kalpakkam, Tamil Nadu which is at an advanced stage of commissioning. In addition, it is proposed to add two more Fast Breeder Reactors (FBR) 1&2 (2x600 MW) at Kalpakkam Site.

(b) PFBR is being constructed with an approved cost of ₹5677 Crore. Cost for Fast Breeder Reactors 1&2 is yet to be finalised**.**

(c) & (d) PFBR at Kalpakkam is expected to go critical by end 2016.

(e) & (f) The tariff of electricity produced from PFBR is comparable with that of other contemporary base-load electricity generating technologies like coal based thermal power stations in the region.

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