

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3075
TO BE ANSWERED ON 07.08.2014

COMMISSIONING OF FAST BREEDER REACTOR

3075. DR. K.P. RAMALINGAM:

Will the PRIME MINISTER be pleased to state:

- (a) whether Government is considering to commission the 500 MWe Prototype Fast Breeder Reactor before the end of this financial year at Kalpakkam, if so, the details thereof; and
- (b) whether most of the support systems are fully commissioned and operating satisfactorily, if so, the details thereof?

ANSWER

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

- (a) The 500 MWe Prototype Fast Breeder Reactor (PFBR) being constructed at Kalpakkam, Tamil Nadu is at an advanced stage of construction and commissioning. Erection of all major components of the reactor has been completed. Commissioning of auxiliary systems such as water system, ventilation, electrical and gas systems have been completed. The next stage in commissioning is preheating and filling of sodium into secondary and primary systems. The project has achieved overall physical progress of 97.6% as on 30.06.2014. The approved date for criticality of PFBR was in September, 2014. However, being the first of its kind reactor being built completely indigenously in our country, some delays on account of the requirement of rigorous testing and qualification of all major equipment and sub-systems are anticipated.
- (b) Yes, Sir. Most of the support systems are commissioned and under operation. Following are some of the major supporting systems which are commissioned:
 - 1) Safety service water system and associated raw water system.
 - 2) Emergency service water system and associated raw water system
 - 3) Demineraliser plant.
 - 4) Fire alarm system.
 - 5) Nitrogen generation system.
 - 6) 220 kV Switchyard
 - 7) 6.6 kV switch gear
 - 8) Emergency Diesel Generator system.