

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO.2723**  
TO BE ANSWERED ON 13.08.2015

**RECORD PRODUCTION OF URANIUM**

2723. SHRI T. RATHINAVEL:

Will the PRIME MINISTER be pleased to state:

- (a) whether India has registered a record production of over 1,252 MT of uranium, manufacturing close to double the annual fuel requirement of atomic reactors in the country;
- (b) whether the production has far exceeded the country's annual fuel requirement of 650 MT for the Pressurized Heavy Water Reactors, which means the country has surplus nuclear fuel that will last several months;
- (c) whether every 700 MW of reactor needs 125 MT of uranium every year; and
- (d) whether with the rising number of power reactors in the country, the demand is expected to rise for uranium?

**ANSWER**

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

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- (a) Nuclear Fuel Complex (NFC), Hyderabad, a constituent unit of Department of Atomic Energy (DAE) has produced 1252 Metric Tonnes (MT) of fuel assemblies during the financial year 2014-15.
- (b) Yes Sir. The maximum annual fuel requirement of Pressurised Heavy Water Reactors in the country is 855 MT. The country has 21 nuclear power reactors under operation with an installed generating capacity of 5780 MW. Thirteen (13) reactors with a total installed capacity of 3380 MW viz., TAPS-1&2 located at Tarapur, Maharashtra; RAPS-2 to 6 located at Rawatbhata, Rajasthan; KAPS-1&2 located at Kakrapar, Gujarat; NAPS-1&2 located at Narora, Uttar Pradesh; and KKNPP-1 located at Kalpakkam, Tamil Nadu are under IAEA safeguards and are eligible for imported fuel. These reactors are operating at rated power. However, one reactor, RAPS-1 located at Rawatbhata, Rajasthan (100 MW) is under extended shutdown for techno-economic assessment.  
  
Eight (8) reactors with a total installed capacity of 2400 MW viz., TAPS-3&4 at Tarapur, Maharashtra; MAPS-1&2 near Chennai; and KGS-1 to 4 at Kaiga, Karnataka are fuelled by indigenous fuel. They are presently operated close to their rated power, matching availability of fuel. As far as Reactors which are under IAEA safeguards surplus fuel is available, which will last for several months.
- (c) Yes, Sir.
- (d) Yes, Sir

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