

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO.1519**  
TO BE ANSWERED ON 19.12.2018

**URANIUM PRODUCTION**

1519. SHRI VISHNU DAYAL RAM:

Will the PRIME MINISTER be pleased to state:

- (a) the total uranium production in the country and its yearly requirement for nuclear power generation;
- (b) the total quantity of uranium being imported and the names of the countries from which it is being imported;
- (c) whether the Government has formulated any scheme to make the country self sufficient in the area of uranium; and
- (d) if so, the details thereof and if not, the reasons therefor?

**ANSWER**

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

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- (a) It is not in the public interest to disclose the quantity of production of uranium in the country. The approximate requirements of uranium for Pressurized Heavy Water Reactors (PHWRs) are given below:

Unit Capacity (MW)	Annual requirement at 85% Capacity Factor (tons UO <sub>2</sub> )
220	45
540	100
700	125

The approximate requirements of uranium for Light Water Reactors (LWRs) are as given below:

Unit Capacity (MW)	Annual requirement at 85% Capacity Factor (tons low enriched uranium)
160	6(at 85% CF)
1000	25 (at 90% CF)

(b) Quantum of uranium being imported from foreign countries and names of the Countries are as given below:

Sr. No.	Delivery Year	Country	Quantity being procured (in MT)
1.	2018-19	Russia	Nil
	2019-20		56.67
2.	2018-19	Kazakhstan	1500 approx.
	2019-20		1500 approx.
3	2018-19	Canada	986.6
	2019-20		1000 approx.

(c)&(d)Yes, Sir. The Government has taken measures to augment domestic uranium supply by state-of-the-art, integrated, multi-disciplinary exploration in several prospective and potential geological domains in various parts of the country and opening of new mines and processing facilities.

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