

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 3043**  
TO BE ANSWERED ON 22.03.2018

**TECHNOLOGY ADOPTED FOR NUCLEAR REACTORS**

3043. DR. R. LAKSHMANAN:

Will the PRIME MINISTER be pleased to state:

- (a) the number of nuclear reactors presently operational in the country;
- (b) whether all the reactors are using the same technology or different technologies; and
- (c) the details in this regard?

**ANSWER**

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

- (a) The present installed nuclear capacity in the country comprises of 22 nuclear power reactors with total capacity of 6780 MW. Of these, one reactor (RAPS-1, 100 MW) is under extended shutdown for techno-economic assessment and two reactors (KAPS-1&2, 2 X 220 MW) are under long shutdown for Enmasse Coolant Channel Replacement (EMCCR) and Enmasse Feeder Replacement (EMFR).
- (b)&(c) Of the 22 nuclear power reactors, 18 are based on Pressurized Heavy Water Reactor (PHWR) technology and four reactors are based on Light Water Reactor (LWR) technology. Of these four, two are of Boiling Water Reactor (BWR) type and the other two are Pressurized Water Reactor (PWR) type.

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