

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2563**  
TO BE ANSWERED ON 23.03.2023

**Benefits from nuclear power reactors**

2563 Shri Syed Nasir Hussain:  
Dr. Ameer Yajnik:

Will the PRIME MINISTER be pleased to state:

- (a) the benefits to industry and the public from the existing 22 reactors in the country;
- (b) by when the commercial operation of Kakrapar reactor will start; and
- (c) whether nuclear reactors to be built in 'fleet mode' would include Small Modular Nuclear Reactors (SMRs) which require less space at lower capital cost as compared to conventional nuclear power plants, 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):

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- (a) The existing Nuclear Power Reactors in the country provide clean, base load electricity which is a key driver for various economic activities like industry, commerce, agriculture etc. Usually, the nuclear power stations provide direct and indirect employment to about 2000 people. Apart from the above, it also provides large business opportunities to the industry and the public for supply of various goods and services which in turn increases the economic activity around the sites. NPCIL also caters to welfare of the local population in the neighbourhood of the nuclear power plant sites as a part of its Corporate Social Responsibility (CSR).
- (b) At Kakrapar in Gujarat, two units KAPS 1&2 (2X220 MW) are already in commercial operation. Further, KAPP 3&4 (2X700 MW) are slated to commence commercial operation in 2023-24.
- (c) No, Sir. The Government has accorded sanction for 10 indigenous Pressurised Heavy Water Reactors (PHWR) of 700 MW each in fleet mode.

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