

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO.1418**  
TO BE ANSWERED ON 04.07.2019

**SETTING UP OF INDIGENOUS PRESSURISED HEAVY WATER REACTORS**

1418. SHRI SAMBHAJI CHHATRAPATI:  
DR. KIRODI LAL MEENA:

Will the PRIME MINISTER be pleased to state:

- (a) whether Government has decided to set up ten Indigenous Pressurised Heavy Water Reactors with a total installed capacity of 7000 Megawatt in the country during the year 2017-18;
- (b) if so, the details thereof along with Memorandum of Understanding (MoUs) signed till date to set up these reactors;
- (c) the details of sites identified for setting up these reactors; and
- (d) the current status of the progress in this regard and by when these reactors would start generating consumable clean energy?

**ANSWER**

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

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- (a) Yes, Sir.
- (b) The Government in June-2017 accorded administrative approval and financial sanction for setting up ten indigenous Pressurised Heavy Water Reactors (PHWRs) of 700 MW each in fleet mode. These reactors of indigenous technology are being set up by Nuclear Power Corporation of India Limited (NPCIL), a wholly owned Public Sector Undertaking (PSU) of Government of India under the administrative control of Department of Atomic Energy (DAE).

(c) These reactors are proposed to be set up at the following locations:

<b>Location &amp; State</b>	<b>Project</b>	<b>Capacity(MW)</b>
Chutka, Madhya Pradesh	Chutka -1&2	2 X 700
Kaiga, Karnataka	Kaiga - 5&6	2 X 700
Mahi Banswara, Rajasthan	Mahi Banswara - 1&2	2 X 700
Gorakhpur, Haryana	GHAVP - 3&4	2 X 700
Mahi Banswara, Rajasthan	Mahi Banswara - 3&4	2 X 700

(d) Currently, Pre- project activities comprising of Land Acquisition, Rehabilitation & Resettlement, Environmental Clearance, etc are in progress at various stages at these sites. Land is available at Kaiga and Gorakhpur sites and land acquisition is completed at Chutka site. It is at an advanced stage at Mahi Banswara site. Environmental Clearance is accorded for Chutka 1&2 and GHAVP 3&4 projects. In respect of Kaiga & Mahi-Banswara sites, public hearing has been completed as a part of the process of Environmental Clearance.

In addition, procurement of long manufacturing cycle equipment, human resource planning etc. have been initiated. These reactors are expected to be completed progressively by 2031.

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