

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO.2082
TO BE ANSWERED ON 12.03.2020

CONSTRUCTION OF PRESSURIZED HEAVY WATER REACTORS

2082. SHRI K. C. RAMAMURTHY:

Will the PRIME MINISTER be pleased to state:

- (a) the timeline for the construction of the pressurized heavy water reactors recently approved by Government;
- (b) whether equipment for construction will be sourced domestically or imported, and if so, the details of countries willing to provide equipment;
- (c) to what extent is this project expected to benefit people;
- (d) the cost of project and details of its funding;
- (e) whether it is a fact that Uranium used in reactors is now available at low price in international market; and
- (f) if so, the efforts being made by Government to buy and stock it?

ANSWER

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

- (a) The ten (10) indigenous 700 MW Pressurized Heavy Water Reactors (PHWRs) accorded administrative approval and financial sanction by the Government are to be set up in fleet mode, scheduled to be completed progressively by 2031.
- (b) The equipment for these reactors will be sourced from domestic industries.
- (c) The establishment of the 10 PHWRs will provide the country clean base load power of 7000 MW. It will also create a large number of jobs, direct and indirect, both at the sites and in the manufacturing industries. The enhanced economic activity at the sites will also provide employment and business

opportunities to the local people. In addition, NPCIL takes up various neighborhood development activities in the fields of health, sanitation, education, infrastructure development and skill development in the nearby areas benefitting the local people.

(d) The approved completion cost of the ten indigenous 700 MW PHWRs is Rs. 1,05,000 crore, to be funded with a debt to equity ratio of 70:30. The equity funding is to be provided by the Government and debt, sourced from market borrowings.

(e)&(f) Yes, Sir. Presently Department is procuring Uranium Ore Concentrate from Kazakhstan and Canada.

Contract for import of 1100 MTU of UOC from Uzbekistan has been signed and the supplies are scheduled for the period 2022-26.
