

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO.623
TO BE ANSWERED ON 20.07.2022

Kakrapar Atomic Plant

623. DR. SHASHI THAROOR:

Will the PRIME MINISTER be pleased to state:

- (a) the details of the current operational status of Unit 3 of Kakrapar atomic plant;
- (b) whether the unit has faced any technical difficulties since its synchronization to the grid and if so, the details thereof;
- (c) whether commercial operations are expected to commence in the near future;
- (d) if so, the expected date of commencement and if not, the reasons therefor;
- (e) the details of the construction status of Unit 4 of Kakrapar atomic power plant;
- (f) the details of the construction status of IPHWR-700 reactors in other atomic power plants;
- (g) whether any design flaws and/or safety issues have been identified within the IPHWR-700 reactor; and
- (h) if so, the details thereof and the measures proposed/taken to fix them?

ANSWER

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

- (a) In Unit-3, modifications/improvements required based on commissioning feedback have been carried out and their validation is also completed by hot run. The unit is now being readied for startup and progressive power raise to full power in line with the regulatory clearances.
- (b) During the unit commissioning, following synchronization with the grid, elevated temperatures were observed in certain areas of the reactor building. These have since been addressed by carrying out requisite modifications and improvements.

- (c) Yes, Sir.
- (d) The unit is expected to commence commercial operation by December 2022, after obtaining stage-wise regulatory clearances.
- (e) Unit-4 of Kakrapar Atomic Power Project (KAPP-4) has achieved a physical progress of 93.65% as of June-2022.
- (f) Among the other 700 MW PHWRs under construction, RAPP 7&8 at Rawatbhata, Rajasthan have achieved physical progress of 95% and 80.8% respectively. In respect of GHAVP 1&2 at Gorakhpur, Haryana, various buildings and structures are under construction. In the ten PHWRs viz., Kaiga 5&6 at Kaiga in Karnataka, GHAVP 3&4 at Gorakhpur in Haryana, Mahi Banswara 1 to 4 at Mahi Banswara in Rajasthan and Chutka 1&2 at Chutka in Madhya Pradesh, pre-project activities at sites and procurement of long delivery equipments have been undertaken. Excavation has also commenced at Kaiga-5&6.
- (g) There are no design flaws or safety issues in the design of indigenous 700 MW PHWRs (IPHWRs).
- (h) Does not arise in view of (g) above.
