

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
STARRED QUESTION NO. *160
TO BE ANSWERED ON 27.07.2022

Generation of Nuclear Energy

*160. SHRIMATI RITI PATHAK:
SHRIMATI NAVNEET RAVI RANA:

Will the PRIME MINISTER be pleased to state:

- (a) whether new inventions/efforts are being made to produce more nuclear energy and if so, the details thereof;
- (b) whether India is a part of this new endeavour/invention; and
- (c) the efforts being made by the county to increase nuclear energy?

ANSWER

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

(a)to(c) A statement is placed on the Table of the House.

Government of India
Department of Atomic Energy

STATEMENT REFERRED TO IN REPLY TO LOK SABHA STARRED QUESTION NO. *160 DUE FOR ANSWER ON 27.07.2022 BY SHRIMATI RITI PATHAK AND SHRIMATI NAVNEET RAVI RANA REGARDING GENERATION OF NUCLEAR ENERGY.

(a)(b)&(c)

Efforts are being made to increase capacity addition of nuclear power by granting administrative approval of indigenous nuclear power stations in fleet mode. To help in speedy implementation of the project, NPCIL has ordered long delivery items and equipment. NPCIL has also worked for standardising the design of indigenous 700 MWe Pressurised Heavy Water Reactor, to help in faster project implementation.

To augment additional electricity generation through nuclear power plants, work has been initiated at Kudankulam site for completion of KKNPP 3, 4, 5 and 6 plants, each with a capacity of 1000 MWe, in collaboration with Russian Federation.

In addition, it is expected that fusion energy will become a new source of clean energy in future. India is one of the partner countries in International Thermonuclear Experimental Reactor (ITER) project. India has contributed significantly in the international collaborative effort. Based on the experience gained and success of the ITER Project, India may consider setting up a similar fusion reactor in future.

DAE R&D institutes BARC and IGCAR are carrying out considerable research in development for thorium based fuel cycle technology.
