

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO.1601**  
TO BE ANSWERED ON 27.12.2017

**TECHNOLOGY FOR UPGRADATION OF NPP**

1601. SHRI KUNWAR PUSHPENDRA SINGH CHANDEL:

Will the PRIME MINISTER be pleased to state:

- (a) whether there is a need to upgrade the Indian nuclear plants;
- (b) if so, whether the Government is constantly taking initiatives for transferring higher technology at the international level and if so, the details thereof;
- (c) whether the Government is putting emphasis on development of indigenous technology apart from transfer of high technology for nuclear power and if so, the details thereof; and
- (d) the details of funds allocated and spent on research in the atomic energy during the last three years?

**ANSWER**

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

- (a) The Indian nuclear power plants are maintained at state of the art in terms of safety with upgradation taken as an ongoing programme based on operating experience feedback.
- (b) No, Sir. However, our scientists are participating in the review meetings with International Atomic Energy Agency (IAEA) on regular basis.
- (c) Yes, Sir. Nuclear Power Corporation of India Limited's (NPCIL's) Research and Development (R&D) and Technology Development (TD) efforts are directed mainly at continual improvement in nuclear power plant safety & operational performance and development of equipment & systems for reactors to be set up in the country under Make in India initiative.
- (d) Details of funds allocated and spent on research in DAE for last three years are mentioned below:

| Financial Year                  | 2014-15 | 2015-16 | 2016-17 |
|---------------------------------|---------|---------|---------|
| Funds Allocated<br>(₹ in Crore) | 1599.95 | 1908.24 | 1618.16 |
| Funds Spent<br>(₹ in Crore)     | 1570.31 | 1861.99 | 1590.33 |