

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3655
TO BE ANSWERED ON 25.07.2019

ACHIEVEMENTS IN ATOMIC ENERGY SECTOR

3655. DR. SATYANARAYAN JATIYA:

Will the PRIME MINISTER be pleased to state:

the details of remarkable achievements made in the atomic energy sector, the additional capacity added in the field of power generation and the achievements made in the discovery of indigenous atomic energy sources during the last three years?

ANSWER

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

The remarkable achievements in the nuclear power sector during the last three years include:

- (i) Setting of World Record in continuous operation of 962 days by Unit-1 of Kaiga Generating Station among nuclear power plants of all technologies.
- (ii) Completion of 50 years of safe operation of Units 1&2 of Tarapur Atomic Power Station (TAPS-1&2), which are currently the oldest reactors in operation in the world.
- (iii) Addition of a nuclear power capacity of 1000 MW by completion of KKNPP- 2 at Kudankulam, Tamil Nadu.
- (iv) First Pour of Concrete (FPC) in KKNPP-3&4 (2X1000 MW) at Kudankulam, Tamil Nadu.
- (v) Ground break for KKNPP-5&6(2X1000 MW) at Kudankulam, Tamil Nadu.

- (vi) Environmental clearance from MoEF&CC for setting up nuclear power plants at Chutka in Madhya Pradesh.
- (vii) Accord of administrative approval and financial sanction of - ten (10) indigenous 700 MW Pressurized Heavy Water Reactors (PHWRs) to be set up in fleet mode & two (02) units of Light Water Reactors (LWRs) being set up in cooperation with Russian Federation.
- (viii) Entering into enabling agreements with foreign countries for nuclear power cooperation including supply of fuel.
- (ix) During the last three years (i.e. since July 2016), AMD has augmented atomic mineral resources as detailed below.
 1. 80,221 tonne (t) *in-situ* uranium oxide (U_3O_8). The total uranium resources of the country is 3,20,445t in situ U_3O_8 (2,71,737 t U).
 2. 108.28 million tonnes beach sand heavy minerals resources, thereby updating the country's beach sand heavy mineral resources to 1173.07 million tonnes.
 3. 3,46,462 tonne Rare Earth Elements Oxide and 19,564t Nb_2O_5 (Niobium Oxide) is estimated in Ambadongar area, Chhota Udepur district, Gujarat.
- (x) Uranium Corporation of India Ltd. (UCIL) has commissioned the Tummalapalle Uranium mining and milling project in Andhra Pradesh in January 2017.
