

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO.2960
TO BE ANSWERED ON 02.08.2017

ELECTRICITY GENERATED FROM NUCLEAR POWER PLANTS

2960. SHRI S.P. MUDDAHANUME GOWDA:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government has laid down any policy/guidelines pertaining to the allotment of electricity generated from a nuclear power plant and if so, the details thereof;
- (b) the unit cost of electricity generated from these power plants as compared to the unit cost of electricity produced from other sources; and
- (c) the steps taken by the Government to decrease the unit cost of electricity generated from nuclear power plants?

ANSWER

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

- (a) Electricity generated by central sector generating stations is allocated to the beneficiary states and union territories in the electricity region by the Ministry of Power (MoP). As per the extant guidelines of MoP, 50% of power is allocated to 'Home' State, 15% unallocated power kept at the disposal of Government of India and 35% is allocated to other constituents (except 'Home' State) of that region.
- (b) The present tariffs of nuclear power range from ₹ 1.07 per unit in case of the oldest nuclear power station, Tarapur Atomic Power Station (TAPS) - 1&2 at Tarapur, Maharashtra to ₹ 4.10 in case of the latest station, Kudankulam Nuclear Power Plant (KKNPP) -1&2 at Kudankulam, Tamil Nadu. Nuclear power tariffs are comparable to those from contemporary units of other electricity generating technologies located in the area.
- (c) Reducing costs of nuclear power is an ongoing effort. In respect of indigenously designed Pressurised Heavy Water Reactors (PHWRs), efforts in this regard have included increasing unit size from 220 MW to 540 MW and further to 700 MW to gain from economies of scale, standardisation, improvement in design and efficiency and optimisation of gestation period. In respect of projects to be set up with foreign cooperation, the measures include adopting appropriate business models to arrive at competitive unit cost.
