

**GOVERNMENT OF INDIA  
ATOMIC ENERGY  
LOK SABHA**

UNSTARRED QUESTION NO:568  
ANSWERED ON:26.11.2014  
RADIATION EMISSION  
Ering Shri Ninong

**Will the Minister of ATOMIC ENERGY be pleased to state:**

- (a) whether the nuclear-reactors in India emit more radiation in comparison to international norms;
- (b) if so, the details thereof and the reasons therefor;
- (c) whether the technology to upgrade safety at Nuclear Power Plants is too expensive for developing countries like India; and
- (d) if so, the steps taken to make it economically viable?

**Answer**

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

- (a) No, Sir.
- (b) Does not arise.
- (c) No, Sir. Many safety upgrades have been developed and incorporated in the existing nuclear power reactors at optimal cost to bring them at par with the state of the art safety features. These safety upgrades have been implemented using indigenous technologies developed in-house at DAE units and in collaboration with the Indian industries. The costs of such upgrades are considerably lower in comparison with those incurred in advanced countries.
- (d) Does not arise in view of reply to 'c' above.