

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:3604
ANSWERED ON:18.03.2015
SAFETY REVIEW OF ATOMIC PLANTS
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Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether the safety review of all atomic power plants in the country has been conducted by the International Atomic Energy Agency (IAEA);
- (b) if so, the details thereof including the deficiencies noticed and suggestions made by the safety review team for further improvement of the operations; and
- (c) whether the review team has identified a series of good practices at some/ all of atomic power plants to be shared by IAEA with the global nuclear industry and if so, the details thereof?

Answer

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

(a) The safety review of units 3&4 of Rajasthan Atomic Power Station (RAPS-3&4) at Rawatbhata in Rajasthan, was carried out by the Operational Safety Review Team (OSART) of the International Atomic Energy Agency (IAEA) during October 29 to November 14, 2012. This was followed by a follow up review after about 15 months during February 03 – 07, 2014.

(b) An in-depth safety review was carried out by OSART, IAEA for the first time in the country, by a team of experts from eight countries namely Canada, Belgium, Finland, Germany, Romania, Slovakia, Slovenia, Sweden and the IAEA. On completion of the review, the following key recommendations and suggestions, to further reinforce the operations of the units, were made by the team. The plant should enhance actions to maintain electrical cable conditions at a high standard;

The fire doors inspection and maintenance programme should be enhanced to identify and correct fire door function;

Certain aspects of the plant's surveillance testing programme should be further enhanced; and

The plant should enhance root cause analyses to systematically identify all learning opportunities.

All the recommendations and suggestions were analysed in detail and actions initiated to address these by Rajasthan Atomic Power Station Units-3&4 (RAPS-3&4). Follow up Review

After about 15 months, during February 03 – 07, 2014, a follow up review for verification of the progress made in addressing the recommendation, was conducted by OSART. The team acknowledged that significant progress was made in addressing the recommendations and suggestions made earlier in the first review by the team.

(c) Yes, Sir. The OSART team had identified during the original review in October-November, 2012 following key good practices at the station, to be shared by the IAEA with the global nuclear industry.

The power plant's safety culture cultivates a constructive work environment and a sense of accountability among the plant personnel, and gives its staff the opportunity to expand skills and training,

The power plant's Public Awareness Programme provides educational opportunities to the local community about nuclear and radiation safety,

The power plant has a Management of Training and Authorisation System for effective management of training activities,

The power plant uses testing facilities and mockups to improve quality of maintenance work and to reduce radiation doses.