

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 166**  
TO BE ANSWERED ON 25.02.2016

**LOCAL PARTICIPATION IN SAFETY AUDIT ON EXPOSURE OF RADIATION**

166. DR. T. SUBBARAMI REDDY:

Will the PRIME MINISTER be pleased to state:

- (a) whether safety audit were made regarding individual and collective occupational exposures of radiation to workers and the handling of radioactive effluents from various plants, as approved by Atomic Energy Regulatory Board (AERB), if so, the details thereof;
- (b) whether periodic inspection of units is being made with the involvement of representative of local public to create confidence among them, if so, the details thereof; and
- (c) if not, whether Government would consider involving local representatives for confidence building and assurance of safety at nuclear installations, if so, the details thereof?

**ANSWER**

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

- (a) Yes Sir. All nuclear facilities are designed and operated such that the occupational radiation exposures to the workers are well within the limits specified by the Atomic Energy Regulatory Board (AERB). These facilities are required to have radiation protection programmes and work procedures intended to control the occupational exposures.

The radiation exposures to the persons working in nuclear plants and facilities are reviewed regularly to check compliance with the specified limits on radiation exposure. Regulatory inspections are carried out by AERB at regular intervals.

The collective occupational exposures at the nuclear plants are also closely monitored and reviewed by AERB through a collective dose budgeting

programme on an annual basis, wherein AERB accepts the targets for the maximum collective dose for the year for the individual nuclear power plants, in the spirit of controlling the collective doses to 'As Low As Reasonably Achievable (ALARA)'.

The radioactive effluents discharged from the facilities are audited during the regulatory inspections carried out by AERB for compliance within the stipulated limits / conditions of the Authorisation issued by AERB under the Atomic Energy (Safe Disposal of Radioactive Waste) Rules 1987.

(b)&(c) While Periodic Inspection of Nuclear Power Plants (NPPs) are carried out by AERB, representatives of local public are not involved in the inspection process. The Government is not considering any such proposal for involvement of local public in regulatory inspections.

The plant wise details of radiation doses received by the workers and discharge of liquid and gaseous effluents from each of the nuclear power plant are regularly published in the annual reports of AERB. The AERB annual reports are available on AERB's website [www.aerb.gov.in](http://www.aerb.gov.in).

In addition, public outreach programs have been initiated by Nuclear Power Corporation of India Limited (NPCIL) & Department of Atomic Energy (DAE) which, inter alia, involves visits to NPPs for creating confidence among general public.

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