

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:2487

ANSWERED ON:15.12.2004

EMISSION OF RADIOACTIVE PARTICLES BY NUCLEAR POWER STATIONS

Athawale Shri Ramdas

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) the names of nuclear power stations likely to outlive their life span in the near future;
- (b) the steps taken/likely to be taken to check the radioactivity particles being emitted from these power stations; (
- (c) the names of the atomic power plants which emitted the radioactivity substances during the last three years;
- (d) whether any study has been conducted or is being conducted to assess the effects of these particles on the families living around the plants;
- (e) if so, the finding thereof; and
- (f) the action taken or proposed to be taken in this regard ?

Answer

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE(SHRI PRITHVIRAJ CHAVAN):

- (a) Nil. Internationally, the economic life of nuclear power stations is 30-40 years. Based on the systematic life assessment studies and life extension measures, the nuclear power plants can be safely operated for another 20-25 years. In India also our experience has been similar. Operation of all plants is subject to licensing by the Atomic Energy Regulatory Board (AERB) and review of operation from time to time. At the moment, there is no proposal before AERB for life extension.
- (b) Not applicable.
- (c) During the last three years, emissions from none of the plants have exceeded the limits stipulated by AERB.
- (d) Epidemiological surveys to assess the effects of radiation among the employees and their family members who reside near the nuclear power plants have been completed by the Tata Memorial Centre, a premier research institute in India.
- (e) The above surveys have indicated that the operations of nuclear power plants have no ill effects on health
- (f) Not applicable in view (e) above.