

**GOVERNMENT OF INDIA  
PRIME MINISTER  
LOK SABHA**

UNSTARRED QUESTION NO:1516  
ANSWERED ON:14.08.2013  
RADIATION FROM NUCLEAR ENERGY PLANTS  
Gawali Patil Smt. Bhavana Pundlikrao

**Will the Minister of PRIME MINISTER be pleased to state:**

- (a) whether any study has been conducted in regard to adverse effects of radiation in villages near nuclear energy plants working in the country;
- (b) if so, the details thereof;
- (c) the details of the rehabilitation package offered to the inhabitants of these villages;
- (d) whether the Government has negotiated with the State Governments in regard to these studies and resettlement package; and
- (e) if so, the reaction of the State Governments thereto?

**Answer**

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY) :

(a)&(b) Environmental Survey Laboratories (ESLs) are installed at all atomic power station sites under Department of Atomic Energy (DAE) well before the commissioning of the reactor. ESLs carry out pre-operational survey to establish the pre-operational baseline radioactivity levels of the site. During operation period of the reactor, environmental samples such as air, water, soil, vegetations, agricultural produces, milk, meat and other dietary products are collected periodically and analysed for radioactivity. ESLs are equipped with highly sensitive instruments and sufficient infrastructure to analyse extremely low levels of radioactivity in environmental samples. The radioactivity levels in environmental samples are compared with pre-operational values in the respective matrix. The studies carried out at various power station sites have clearly indicated that there is no unacceptable build up of radioactivity in the environment. The annual radiation doses to the general public from nuclear plants are insignificant as compared to that received from natural background radiation with no potential to cause any adverse health impact.

(c)to(e) Do not arise in view of (a) & (b) above.