

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

STARRED QUESTION NO:301

ANSWERED ON:24.08.2011

NUCLEAR SAFETY

Choudhary Shri Bhudeo;Rao Shri Sambasiva Rayapati

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) the details of the shore protection measures put in place in respect of the atomic power stations located near the sea coast;
- (b) whether the Government is equipped with the latest equipment to check the radiation leakage from the atomic plants;
- (c) if so, the details thereof and if not, the action contemplated in this regard;
- (d) whether the recommendations made by the task forces set up by the Nuclear Power Corporation of India Limited (NPCIL) have been accepted; and
- (e) if so, the details thereof and the follow-up action taken by the Government on the same?

Answer

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

(a) to (e) A statement is laid on the Table of the House

STATEMENT REFERRED IN REPLY TO LOK SABHA STARRED QUESTION NO.301 BY SHRI BHUDEO CHOUDHARY AND SHRI RAYAPATI SAMBASIVA RAO REGARDING NUCLEAR SAFETY FOR ANSWER ON 24.08.2011

(a) Atomic power stations in coastal areas are designed taking into account the technical parameters related to earthquake, Tsunami, storm surges, wave run up, floods, tides etc. Plants are, therefore, equipped with facilities to handle such design basis eventualities. The shore protection measures also include construction of civil structures like break waters, bunds, etc. to minimize the effect of some of these natural events.

(b) Yes sir.

(c) These include area radiation monitors located inside and outside the reactor and auxiliary buildings. The radiation monitoring is also done through Environmental Survey Laboratories established to monitor various radiation related parameters in air, water, soil, crops, fish, meat etc. upto 30 kms. around.

(d)&(e) Recommendations of the Task Force relating to augmentation of existing provisions for e.g. hook-up arrangements through external sources for addition of cooling water to primary heat transport system and steam generators; increasing the duration of passive power sources / battery operated devices for monitoring important parameters for a longer duration; augmentation of water inventory; additional shore protection measures are under implementation. In respect of the recommendations relating to automatic shutdown on sensing seismic activity; inerting of TAPS-1&2 containment etc., the matter is being taken up with regulatory authority for clearance / approval.