

**GOVERNMENT OF INDIA  
ATOMIC ENERGY  
LOK SABHA**

UNSTARRED QUESTION NO:539

ANSWERED ON:03.08.2011

ASSESSMENT OF RADIOLOGICAL IMPACT OF JAITAPUR PLANT

Rane Dr. Nilesh Narayan

**Will the Minister of ATOMIC ENERGY be pleased to state:**

- (a) whether the Atomic Energy Regulatory Board is the only agency in the country with the expertise to assess the radiological impact from any nuclear activity;
- (b) if so, the details thereof;
- (c) whether the National Environmental Engineering Research Institute has expressed inability to assess radiological impacts of proposed Jaitapur Nuclear Plant in Ratnagiri in Maharashtra;
- (d) if so, the details thereof and the reasons therefor;
- (e) whether the designing of the Jaitapur Nuclear Power Plant has been given a re-look; and
- (f) if so, the changes completed so far in the designing of the plant?

**Answer**

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

(a)&(b): No Sir, in addition to Atomic Energy Regulatory Board (AERB), organisations like Bhabha Atomic Research Centre (BARC), Indira Gandhi Centre for Atomic Research (IGCAR) and Nuclear Power Corporation of India Ltd. (NPCIL) also have the expertise to assess the radiological impact from nuclear activity.

AERB has the mandate to perform safety review of all nuclear facilities that it licenses. As part of this review, it assesses the potential and actual radiological impact.

(c)&(d): The National Environmental Engineering Research Institute (NEERI) is an expert agency for carrying out Environmental Impact Assessment (EIA) studies. NEERI has carried out the EIA studies in respect of Jaitapur Nuclear Power Project (JNPP) site in Ratnagiri District of Maharashtra. The Health Physics Division (HPD) of the BARC is the only authorised organisation having expertise with well developed techniques for assessment of radiological aspects around any nuclear facility in the country. NEERI has utilised the authentic radiological assessment data provided by HPD, BARC while preparing the EIA report in respect of the JNPP.

(e)&(f): Detailed reviews, at each stage of the project, are carried out by experts at NPCIL and AERB to ensure safety. AERB independently carries out in-depth and independent review of the design and all aspects related to nuclear power projects before giving clearance for its implementation. While no changes are contemplated in the conceptual design, changes in the detailed designs and drawings can be made, if found necessary, on reviews.