

**GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA**

UNSTARRED QUESTION NO:2516
ANSWERED ON:08.12.2011
SEISMICITY OF THE NORTH EASTERN STATES
Jindal Shri Naveen

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the details of the earthquake experienced in the country during the last three years alongwith their magnitude, seismic zone wise;
- (b) whether the North-Eastern States of the country fall in the high risk seismic zone;
- (c) if so, the details thereof;
- (d) whether the Government has conducted any study on the impact of building dams on the seismicity in the North-Eastern States; and
- (e) if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF PLANNING, MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES (SHRI ASHWANI KUMAR)

- a) Details of the earthquake occurred in the country during the last three years with date, time of occurrence, epicenter (latitude and longitude), focal depth, magnitude, region and seismic-zone in which the epicenter area falls, are presented in the Annexure.
- b) Yes Madam.
- c) All the North-Eastern states of the country fall in Seismic zone V which is most seismically vulnerable zone. According to the classification of Bureau of Indian Standards [IS 1893 (Part I):2002], the country is grouped into four seismic zones viz. Zone-II, III, IV and V. Of these, Zone V is seismically the most vulnerable region, while zone II is the least.
- d) Comprehensive geo-technical investigations are carried out on the sites identified for major infrastructure projects globally. Accordingly, feasibility studies in respect of structural design and safety planning, Environmental Impact Assessment and operational sustenance of the proposed infrastructure are examined thoroughly prior to the siting of major infrastructure projects.
- e) Ministry of Water Resources, Ministry of Power, Ministry of Environment & Forests, Ministry of Finance etc. operate various regulatory responsibilities towards location of various infrastructure projects of national importance