

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
LOK SABHA  
UNSTARRED QUESTION No. 2046  
TO BE ANSWERED ON WEDNESDAY, MARCH 07, 2018**

**SEISMIC ZONES**

**2046. SHRI HARISH CHANDRA ALIAS HARISH DWIVEDI:**

**Will the Minister of EARTH SCIENCES be pleased to state:**

- (a) whether the Government has divided the country in various seismic zones on the basis of vulnerability of the area to earthquake and if so, the details thereof;**
- (b) whether the Government proposes to install earthquake early warning system as district level; and**
- (c) if so, the details in this regard?**

**ANSWER**

**MINISTER OF STATE FOR MINISTRY OF SCIENCE AND ECHNOLOGY AND  
MINISTRY OF EARTH SCIENCES  
(SHRI Y. S. CHOWDARY)**

- (a) Madam, under the aegis of Bureau of Indian Standard (BIS) [IS 1983 (Part I):2002], seismic hazard vulnerability of the country has been assessed and the seismic zoning map covering whole of India has been prepared (Annex-1). The country is grouped into four seismic zones viz. Zone-II, -III, -IV and -V. Of these, Zone V is seismically the most prone region, while Zone II is the least.**

**Broadly, Zone-V comprises of entire northeastern India, parts of Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Rann of Kutch in Gujarat, part of North Bihar and Andaman & Nicobar islands. Zone-IV covers remaining parts of Jammu & Kashmir and Himachal Pradesh, Union Territory of Delhi, Sikkim, northern parts of Uttar Pradesh, Bihar and West Bengal, parts of Gujarat and small portions of Maharashtra near the west coast and Rajasthan. Zone-III comprises of Kerala, Goa, Lakshadweep islands, remaining parts of Uttar Pradesh, Gujarat and West Bengal, parts of Punjab, Rajasthan, Madhya Pradesh, Bihar, Jharkhand, Chhatisgarh, Maharashtra, Orissa, Andhra Pradesh, Telengana, Tamilnadu and Karnataka. Zone-II covers remaining parts of the country.**

- (b) & (c) There is no proven scientific technique available, anywhere in the world, to predict the occurrence of earthquakes with reasonable degree of accuracy with regard to space, time and magnitude. Ministry is not operating any earthquake early warning system and has no proposal to install any such system. However, the National Centre for Seismology (NCS), maintains a country wide national seismological network, to detect and locate earthquakes occurring in and around the country.**

Seismic Zone Map of India

