

**GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA**

UNSTARRED QUESTION NO:268
ANSWERED ON:20.11.2001
EARTHQUAKE PRONE ZONES
KOLUR BASAVANAGOUD

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) whether the Government are aware that Karnataka comes under probable earthquake prone zones;
- (b) the number of earthquakes reported from Karnataka since January 2000 till the end of October, 2001; and
- (c) the steps taken by the India Meteorological Department to strengthen and upgrade seismological monitoring capabilities in the State?

Answer

MINISTER OF STATE FOR SCIENCE AND TECHNOLOGY (SHRI BACHI SINGH RAWAT)

(a) Yes, Sir. Karnataka comes under Zone III (moderate damage risk zone) of the Seismic Zoning Map of India published by the Bureau of Indian Standards. This zone is broadly associated with earthquakes of intensity upto VII on the Modified Mercalli Scale.

(b) Three earthquakes were reported from Karnataka since January, 2000 till the end of October, 2001 in the following magnitude ranges:

Date	Magnitude in Richter scale	Latitude	Longitude
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14.08.2000	2.8	14.81°N	74.77°E
04.01.2001	3.4	12.00°N	78.19°E
29.01.2001	4.3	12.40°N	77.35°E

(c) India Meteorological Department is operating one seismological observatory in Mangalore equipped with the state of art instrumentation system. Seismological observatories are also being maintained by Bhabha Atomic Research Centre, Mumbai, National Institute of Rock Mechanics, Kolar and National Geophysical Research Institute, Hyderabad at Gauribidnur, Kolar and Dharwar respectively. Three more seismological observatories at Gulbarga, Bellari and Mysore are planned based on the recommendations of an Expert Committee recently set up by the Department of Science & Technology. Some of these observatories will be finally integrated with the National Seismological Network of India Meteorological Department.