

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION NO. 2756
ANSWERED ON 19/12/2024

Earthquake prediction

2756. SHRI KESRIDEVSINH JHALA:

Will the Minister of Earth Sciences be pleased to state:

- (a) whether any emergency response system is in place for earthquake prediction;
- (b) if so, the accuracy with which it could be predicted;
- (c) whether Government has urged the Indian scientists/ISRO to undertake research for earthquake prediction system and if so, the details thereof; and
- (d) whether Government has reached any agreement with other foreign countries for joint working on the issue?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR
MINISTRY OF SCIENCE AND TECHNOLOGY
AND EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) to (d) As on today, there is no proven scientific technique available, anywhere in the world, to predict/forecast the occurrence of earthquakes with the reasonable degree of accuracy with regard to space, time and magnitude. No country has the capability of predicting the occurrence of earthquakes in advance.

However, National Centre for Seismology (NCS) under Ministry of Earth Sciences (MoES) is the nodal agency involved in monitoring seismic activity across the country with the help of National network consisting of 166 stations. NCS conducts regular studies and maintain seismic networks to analyze earthquake data and disseminates this information to various stakeholders of national and state levels using advance technology. Details of earthquakes, which have been detected and reported in and around the country by the National Seismological Network are available on the website of NCS (seismo.gov.in).

NCS-MoES also conducts advance researches on earthquake early warning system. Additionally, NCS-MoES has been working on strengthening earthquake monitoring through the establishment of additional seismic stations.

Borehole Geophysical Research Laboratory (BGRL) of MoES is also involved in understanding the earthquake generating and nucleation processes of the plate interior of India.
