

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYASABHA
UNSTARRED QUESTION NO. 2133
ANSWERED ON 07/08/2025

SEISMIC MONITORING AND MICROZONATION

2133 # SHRI ADITYA PRASAD:
SHRI LAHAR SINGH SIROYA:

Will the Minister of **Earth Sciences** be pleased to state:

- (a) the extent to which the National Seismic Network has grown since 2020;
- (b) the total number of earthquake reported by the Ministry since 2020;
- (c) whether the Ministry has initiated the process of determining seismic microzonation of various cities; and
- (d) if so, the details thereof and the number of cities that have undergone microzonation since 2020 in the country and especially in State of Jharkhand, year-wise and city-wise?

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

- (a) Seismic observatories of National Seismic Network have increased from about 150 stations in 2020 to 168 operational observatories till date, with real-time data reporting via VSAT.
- (b) Total 80029 earthquakes were recorded during 01st January 2020 to 30th June 2025 in the grid of 0-40°N and 60 -100°E of which 3032 were recorded within the country including Bay of Bengal, Andaman Sea during last five years.
- (c) Yes.
- (d) Seismic Microzonation data is produced by the Ministry of Earth Sciences (MoES) through National Centre for Seismology (NCS) and is based on guidelines framed by MoES. Since 2020, cities of Chennai, Coimbatore, Bhubaneswar, and Mangalore are covered for Seismic Microzonation and the related reports are released recently in July 2025. Additionally, cities such as Patna, Varanasi, Lucknow, Kanpur, Meerut, Agra, Dhanbad, Amritsar are in advanced stage of completion, where Dhanbad comes in Jharkhand.
