

**GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
LOK SABHA
UNSTARRED QUESTION NO. 2881
TO BE ANSWERED ON WEDNESDAY, 6th AUGUST, 2025**

SEISMIC MICRONOZATION

2881. SHRI DHAVAL LAXMANBHAI PATEL:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) the details of the number of cities for which seismic microzonation has been completed;
- (b) whether the city planning departments have been trained to use this data for land-use zoning and if so, the details thereof; and
- (c) the details of plans to create open-access platforms for dissemination of seismic data to local authorities?

ANSWER

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

- (a) The cities of Delhi, Bengaluru, Kolkata, Guwahati, Jabalpur, Dehradun, Ahmedabad, Gandhidham and the State of Sikkim have been covered for seismic microzonation. Cities including Chennai, Coimbatore, Bhubaneswar and Mangalore are also covered. Additionally, cities such as Patna, Varanasi, Lucknow, Kanpur, Meerut, Agra, Dhanbad, Amritsar are in advanced stage of completion. 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.
- (b) The seismic microzonation study and its results are shared with state/national disaster management authorities and Bureau of Indian Standards (BIS). NDMA conducts awareness campaigns and promote BIS - approved guidelines and construction practices for earthquake - resistant design.
- (c) NCS provides GIS-based hazard products for Seismic Microzonation. Formal, user-friendly open-access platforms are not yet established specifically for microzonation data. However, the information of Earthquake parameters is shared in public domain through various social media such as website, X, WhatsApp, App, Facebook etc. immediately after the occurrence of the earthquakes within India and its adjacent areas.
