

**GOVERNMENT OF INDIA  
MINISTRY OF EARTH SCIENCES  
RAJYA SABHA  
UNSTARRED QUESTION No. 25  
TO BE ANSWERED ON MONDAY, FEBRUARY 04, 2019**

**SEISMIC MICROZONATION**

**25. SHRI MD. NADIMUL HAQUE :**

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

- (a) whether Government has conducted Seismic Microzonation of various cities across the country during the last three years;**
- (b) if so, the details thereof;**
- (c) whether Government is planning to conduct Seismic Microzonation in other cities as well, including cities of West Bengal, if so, the details thereof and if not, the reasons therefor;**
- (d) the details of agencies/institutions included in the list of Expression of Interest for Seismic Microzonation in various cities;**
- (e) the results of the bidding for the tender of Seismic Microzonation of various cities; and**
- (f) the allocation made by Government for Seismic Microzonation during last three years?**

**ANSWER  
MINISTER FOR SCIENCE AND TECHNOLOGY AND  
MINISTRY OF EARTH SCIENCES  
(DR. HARSH VARDHAN)**

- (a) and (b) Yes. Government has recently conducted Seismic Microzonation in Delhi and Kolkata and released the reports in February 2016. Copies of these reports have also been given to stakeholders of concerned State and Central Governments. Seismic Microzonation of some other parts like Sikkim, Guwahati, Bengaluru etc. has been also conducted in project mode.**
- (c) National Centre for Seismology (NCS), Ministry of Earth Sciences has proposal to carry out Seismic Microzonation of 30 more cities in the country which include Asansol District of West Bengal. Kolkata from West Bengal is already been covered for Seismic Microzonation.**

- (d) **In the first phase four cities Bhubaneswar, Chennai, Coimbatore and Mangalore have been taken up for microzonation. Expression of Interest was invited for the second phase for eight cities (Patna, Meerut, Amritsar, Agra, Varanasi, Lucknow, Kanpur and Dhanbad) from potential Academic and Research organizations / Institutes in India” namely IIT-Patna; IIT Kanpur; IIT (ISM)-Dhanbad; IIT-Hyderabad; IIT-Delhi; IIT-Kharagpur; IIT Roorkee; IIT-Guwahati; National Geophysical Research Institute (NGRI)-Hydrabad; Institute of Seismological Research (ISR)-Gandhinagar; Geophysics Division-BHU; IISc-Bangalore, and other institutes of Govt. of India/States of repute having credentials of doing the similar works.**
- (e) **In the first phase Bhubaneswar, Chennai, Coimbatore and Mangalore are being covered by two qualified bidders (M/s Fugro and M/s Secon). The bidding results are available on cpp portal. Second phase tendering process has been initiated on 20<sup>th</sup> December, 2018.**
- (f) **As mentioned above Government has allocated to carry out Seismic Microzonation for Delhi and Kolkata. During last three years the reports and manual of Seismic Microzonation are published on MoES website. The Project “Seismic Microzonation of 30-Cities in India” has been initiated. The budget allocated for the project “Seismic Microzonation of 30-Cities in India” is Rs. 90 crore (Ninety crore only) in last three years.**

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