

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

UNSTARRED QUESTION NO:1906
ANSWERED ON:21.07.2004
TREMORS IN DELHI REGION
Koya Dr. P. Pookunhi

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

- (a) whether the Delhi region had a number of tremors in less than a month's time recently ranging from 1.6 to 3 on Richter Scale;
- (b) if so, the details thereof?
- (c) whether the intensity of these tremors is considered dangerous;
- (d) if so, the disaster management plans for the city to meet any eventuality; and
- (e) if not, the steps taken by the Government in this regard?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE (INDEPENDENT CHARGE) OF THE DEPARTMENT OF OCEAN DEVELOPMENT (SHRI KAPIL SIBAL)

(a) & (b): Yes Sir. During the period 18th March, 2004 to 21st April, 2004, Delhi region experienced nine tremors of magnitude ranging between 1.5 to 2.7 on Richter's scale. The hypo central parameters of the tremors recorded during the period 18.3.04 to 11.6.04 are at annexure.

(c) The maximum intensity associated with an earthquake of magnitude 2.7 (on Richter Scale) is III on Modified Mercalli (MM) intensity scale. According to this scale, intensity III is not considered to be of any significance from damage point of view.

(d) & (e): The Government of NCT of Delhi has constituted a Delhi Disaster Management Authority under the Chairmanship of Lt. Governor of Delhi with representation from the relevant Departments/Agencies as well as the Union Home Ministry. The preparation of disaster management plans relating to earthquakes and other disasters is the responsibility of the government of NCT Delhi, which has informed that they are taking appropriate action in this regard.

ANNEXURE IN REPLY TO LOK SABHA' S UNSTARRED QUESTION NO. 1906 FOR 21.7.2004 BY DR. P.P. KOYA REGARDING " TREMORS IN DELHI REGION"

Annexure-1

List of tremors in Delhi region with magnitude ranging between 1.5 to 2.7 from 18-03-2004 to 12-06-2004

Year MM DD HHMM Lat. Long. Dep. Mag.
(IST) Deg.N Deg.E

2004	3	18	1323	28.63	77.25	15.3	2.7
2004	3	28	0951	28.63	77.15	15.3	1.6
2004	4	1	1102	28.63	77.18	10.0	1.5
2004	4	5	0618	28.70	77.36	20.1	1.8
2004	4	5	1134	28.69	77.32	20.9	1.9
2004	4	5	1522	28.68	77.36	18.2	1.6
2004	4	5	1756	28.78	77.21	9.0	2.0
2004	4	9	2220	28.61	77.15	10.8	1.6
2004	4	21	1111	28.65	77.14	6.2	1.9
2004	4	29	1721	28.57	77.09	13.5	1.7
2004	5	6	0636	28.43	77.37	19.6	1.5
2004	5	20	0754	28.76	77.00	2.5	1.8
2004	5	24	0419	28.63	77.13	15.0	2.0
2004	6	6	1108	28.62	77.00	15.4	2.1
2004	6	12	0023	28.45	77.36	15.9	1.8

Total number of tremors: 15