

# QUAKE BULLETIN

Monthly Bulletin

Vol.1 No.6 Jun-2012

Editor: Ramancharla Pradeep Kumar

Associate Editors: Chenna Rajaram  
Raju Sangam

## EARTHQUAKE EVENTS:

This database will give the information about the earthquakes that occurred worldwide and in India in the month of May, 2012. The list of the earthquakes is as follows:

### Worldwide:

(Source: <http://earthquake.usgs.gov/earthquakes/>)

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
20/5/2012	07:20:37	39.727°N	143.037°E	15.6	6.4	East of Miyako , Japan
20/5/2012	02:03:52	44.800°N	11.192°E	5.1	6.0	ENE of Camposanto, Italy
14/5/2012	10:00:39	17.816°S	69.749°W	98.3	6.2	NNW of Putre, Chile

### India wide:

(Source: Indian Meteorological Department, IMD,  
<http://www.imd.gov.in/section/seismo/dynamic/CMONTH.HTM>)

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
22/5/2012	12:19:49	25.2°N	94.4°E	63	4.0	India (Manipur) Myanmar Boarder Region
17/5/2012	13:39:19	28.9°N	76.7°E	27	3.5	Distt. Rohtak, Haryana
11/5/2012	18:41:28	26.6°N	93.0°E	20	5.4	Assam
10/5/2012	22:00:40	30.2°N	79.4°E	5	3.9	Distt. Chamoli, Uttarakhand
09/5/2012	18:05:58	34.3°N	74.5°E	8	3.4	Jammu & Kashmir
06/5/2012	5:42:59	32.4°N	76.3°E	5	3.6	Distt. Chamba, Himachal Pradesh
04/5/2012	20:09:26	27.5°N	95.1°E	15	4.4	Distt. Dibrugarh, Assam
02/5/2012	23:12:14	28.2°N	76.3°E	5	3.5	Distt. Mahendragarh, Haryana
01/5/2012	22:43:12	26.2°N	92.2°E	13	3.8	Marigaon, Assam

## GROUND MOTION RECORDS:

In our centre around 140 ground motion records are available. Since 1973 the ground motions are available with N-S, E-W and U-D components. All the available ground motions are listed.

(Source: PESMOS-IITR)

S No	Earthquake	Date	Station	Component
1	NL	14 Dec 2007	Nathpa	E-W
2	NL	14 Dec 2007	Nathpa	N-S
3	NL	14 Dec 2007	Nathpa	U-D

4	NL	15 Dec 2007	Nathpa	E-W
5	NL	15 Dec 2007	Nathpa	N-S
6	NL	15 Dec 2007	Nathpa	U-D
7	NL	16 Dec 2007	Nathpa	E-W
8	NL	16 Dec 2007	Nathpa	N-S
9	NL	16 Dec 2007	Nathpa	U-D
10	NL	3 Feb 2008	Pithoragarh	E-W
11	NL	3 Feb 2008	Pithoragarh	N-S
12	NL	3 Feb 2008	Pithoragarh	U-D
13	Darrang, Assam	13 Mar 2008	Mangaldai	E-W
14	Darrang, Assam	13 Mar 2008	Mangaldai	N-S
15	Darrang, Assam	13 Mar 2008	Mangaldai	U-D
16	Darrang, Assam	13 Mar 2008	Morigaon	E-W
17	Darrang, Assam	13 Mar 2008	Morigaon	N-S
18	Darrang, Assam	13 Mar 2008	Morigaon	U-D

The records are available at server ([\\10.2.28.225](http://10.2.28.225))

### **EERC LIBRARY:**

#### **Publications:**

The following publications are very useful for research and are available in server

- ❖ Abbie B Liel and Kathryn P Lynch., "Vulnerability of Reinforced Concrete Frame Buildings and Their Occupants in the 2009 L'Aquila Earthquake", Journal of Natural Hazards Review, ASCE, Vol13, No1, 2012.
- ❖ Mostafa Masoudi, Sassan Eshghi and Mohsen Ghafory Ashtiany, "Evaluation of Response Modification Factor of Elevated Concrete Tanks", Engineering Structures, Vol39, 2012.
- ❖ CVR Murty, "Seismic Strengthening of RC Buildings: The Formal Quantitative Approaches", Journal of Structural Engineering, SERC, Vol35, No2, 2008.
- ❖ N Alam, M Shahria Alam and M Tesfamariam, "Buildings Seismic Vulnerability Assessment Methods:A Comparative Study", Natural Hazards, 2012.
- ❖ CVR Murty and Javed N Malik, "Challenges of Low to Moderate Seismicity in India", Electronic Journal of Structural Engineering (eJSE) eJSE Special Issue, 2008.

The publications are available at server ([\\10.2.28.225](http://10.2.28.225))