

QUAKE BULLETIN

Monthly Bulletin

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EARTHQUAKE EVENTS:

This database will give the information about the earthquakes that occurred worldwide and India wide in the month of January-2013. The list of the earthquakes is as follows:

Worldwide:

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

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
05/01/2013	08:58:19	55.368°N	134.621°W	9.8	7.5	Southeastern Alaska
30/01/2013	20:15:42	28.180°S	70.184°W	42.7	6.8	Atakama, 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
01/01/2013	14:43:41	26.3°N	93.2°E	35	3.5	Distt- Karbi Anglong, Assam
02/01/2013	14:53:41	27.3°N	88.6°E	10	3.0	Gangtok, Sikkim
02/01/2013	17:42:15	29.4°N	81.1°E	10	4.8	Nepal
02/01/2013	22:06:31	23.2°N	94.2°E	18	3.2	Myanmar
03/01/2013	05:47:27	25.4°N	93.6°E	14	3.8	Nagaland Manipur Border
07/01/2013	05:32:46	28.1°N	94.3°E	10	4.5	Arunachal Pradesh
08/01/2013	10:36:58	15.8°N	73.9°E	35	2.5	Maharashtra Goa Border
09/01/2013	01:41:52	25.4°N	94.9°E	89	5.9	Myanmar India Border
10/01/2013	15:16:13	30.1°N	80.4°E	5	3.2	Pithoragarh, Uttarakhand
13/01/2013	17:35:49	26.5°N	86.1°E	10	3.0	India Nepal Border
26/01/2013	02:24:33	17.1°N	73.7°E	02	3.6	Koyna, Maharashtra
30/01/2013	21:30:18	30.2°N	80.0°E	05	2.6	Bageshwar, Uttarakhand

GROUND MOTION RECORDS:

In our centre around 265 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	Golpara	04 Apr 2009	Golpara	E-W
2	Golpara	04 Apr 2009	Golpara	N-S

3	Golpara	04 Apr 2009	Golpara	U-D
4	Diphu	17 Apr 2009	Diphu	E-W
5	Diphu	17 Apr 2009	Diphu	N-S
6	Diphu	17 Apr 2009	Diphu	U-D
7	Kamrup	25 Apr 2009	Boko	E-W
8	Kamrup	25 Apr 2009	Boko	N-S
9	Kamrup	25 Apr 2009	Boko	U-D
10	Kamrup	25 Apr 2009	Guwahati	E-W
11	Kamrup	25 Apr 2009	Guwahati	N-S
12	Kamrup	25 Apr 2009	Guwahati	U-D
13	Bongaigaon	04 May 2009	Bomdila	E-W
14	Bongaigaon	18 Mar 2009	Bomdila	N-S
15	Bongaigaon	18 Mar 2009	Bomdila	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

- ❖ Reginald DesRoches, Mary Comerio, Marc Eberhard, Walter Mooney, and Glenn J. Rix (2011)., "Overview of the 2010 Haiti Earthquake", Earthquake Spectra, Vol. 27, No. S1, pp. S1-S21.
- ❖ Jonathan P. Stewart, Giuseppe Lanzo, Alessandro Pagliaroli, Giuseppe Scasserra, Giuseppe Di Capua, Silvia Peppoloni, Robert Darragh, and Nicholas Gregor (2012)., "Ground Motion Recordings from the Mw 6.3 2009 L'Aquila Earthquake in Italy and their Engineering Implications", Earthquake Spectra, Vol. 28, No. 1, pp. 317-345.
- ❖ Patrick O'Brien, Marc Eberhard, Olafur Haraldsson, Ayhan Irfanoglu, David Lattanzi, Steven Lauer, and Santiago Pujol (2011)., " Measures of the Seismic Vulnerability of Reinforced Concrete Buildings in Haiti", Earthquake Spectra, Vol. 27, No. S1, pp. S373-S386.
- ❖ Hasan Aydin Pekoz and José A. Pincheira (2012)., "A Method for Estimating Spectral Displacements Using a Velocity Pulse", Earthquake Spectra, Vol. 28, No. 2, pp. 689-708.
- ❖ Charles Scawthorn, and EllenM. Rathje (2006)., "The 2004 Niigata Ken Chuetsu, Japan, Earthquake", Earthquake Spectra, Vol. 22, No. S1, pp. S1-S8.

Reports:

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

- ❖ Wiliam T Holmes, Charles Kircher, William Patek, Nabih Youssef (2008)., "Seismic Performance Objectives for Tall Buildings", PEER Report 2008/01, Pacific Earthquake Engineering Research Centre, College of Engineering, Univ. of California, Berkeley.

The publications and reports are available at server ([\10.2.28.225](#))