

QUAKE BULLETIN

Monthly Bulletin

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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 India wide in the month of May-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
14/05/2013	00:32:25	18.748°N	145.294°E	601	6.8	Agrihan, Northern Mariana Islands
18/05/2013	05:47:59	37.739°N	141.471°E	39.0	6.0	Namie, Japan
20/05/2013	09:49:04	44.944°S	80.541°W	10	6.4	Off the coast of Aisen, Chile
24/05/2013	05:44:49	54.874°N	153.281°E	608.9	8.3	Sea of Okhotsk
24/05/2013	14:56:31	52.222°N	151.515°E	623	6.7	Sea of Okhotsk

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
01/05/2013	06:57:12	33.1°N	75.8°E	15	5.8	J&K-H.P Border Region
01/05/2013	08:42:43	33.1°N	75.8°E	10	3.7	J&K-H.P Border Region
01/05/2013	09:19:49	33.1°N	75.7°E	10	4.6	J&K-H.P Border Region
02/05/2013	00:30:09	33.2°N	75.8°E	10	3.9	J&K-H.P Border Region
03/05/2013	01:38:15	33.4°N	75.8°E	05	3.7	Kishtwar, Jammu & Kashmir
05/05/2013	04:39:38	33.0°N	75.6°E	12	3.5	Bhadarwah (Doda District), J&K
14/05/2013	19:58:24	33.2°N	76.1°E	10	4.4	J&K-H.P Border Region
14/05/2013	20:00:07	33.4°N	75.8°E	10	4.8	Kishtwar, Jammu & Kashmir
14/05/2013	20:40:49	24.1°N	92.3°E	10	3.8	North Tripura
14/05/2013	21:01:42	33.3°N	75.9°E	10	3.8	Kishtwar, Jammu & Kashmir
15/05/2013	12:05:41	33.3°N	75.9°E	15	3.8	Kishtwar, Jammu & Kashmir
26/05/2013	05:55:22	26.6°N	92.2°E	10	3.2	Darrang, Assam
31/05/2013	04:52:16	27.4°N	92.7°E	18	3.8	West Kameng, Arunachal Pradesh

GROUND MOTION RECORDS:

In our centre around 325 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	Myanmar-Manipur Border	11 Aug 2009	Bongaigaon	E-W
2	Myanmar-Manipur Border	11 Aug 2009	Bongaigaon	N-S
3	Myanmar-Manipur Border	11 Aug 2009	Bongaigaon	U-D
4	Myanmar-Manipur Border	11 Aug 2009	Diphu	E-W
5	Myanmar-Manipur Border	11 Aug 2009	Diphu	N-S
6	Myanmar-Manipur Border	11 Aug 2009	Diphu	U-D
7	Myanmar-Manipur Border	11 Aug 2009	Goalpara	E-W
8	Myanmar-Manipur Border	11 Aug 2009	Goalpara	N-S
9	Myanmar-Manipur Border	11 Aug 2009	Goalpara	U-D
10	Myanmar-Manipur Border	11 Aug 2009	Guwahati	E-W
11	Myanmar-Manipur Border	11 Aug 2009	Guwahati	N-S
12	Myanmar-Manipur Border	11 Aug 2009	Guwahati	U-D
13	Myanmar-Manipur Border	11 Aug 2009	Hailakandi	E-W
14	Myanmar-Manipur Border	11 Aug 2009	Hailakandi	N-S
15	Myanmar-Manipur Border	11 Aug 2009	Hailakandi	U-D
16	Myanmar-Manipur Border	11 Aug 2009	Karimganj	E-W
17	Myanmar-Manipur Border	11 Aug 2009	Karimganj	N-S
18	Myanmar-Manipur Border	11 Aug 2009	Karimganj	U-D
19	Myanmar-Manipur Border	11 Aug 2009	Nongstoin	E-W
20	Myanmar-Manipur Border	11 Aug 2009	Nongstoin	N-S
21	Myanmar-Manipur Border	11 Aug 2009	Nongstoin	U-D
22	Myanmar-Manipur Border	11 Aug 2009	Silchar	E-W
23	Myanmar-Manipur Border	11 Aug 2009	Silchar	N-S
24	Myanmar-Manipur Border	11 Aug 2009	Silchar	U-D
25	Myanmar-Manipur Border	11 Aug 2009	Tejpur	E-W
26	Myanmar-Manipur Border	11 Aug 2009	Tejpur	N-S
27	Myanmar-Manipur Border	11 Aug 2009	Tejpur	U-D
28	Myanmar-Manipur Border	11 Aug 2009	Tura	E-W
29	Myanmar-Manipur Border	11 Aug 2009	Tura	N-S
30	Myanmar-Manipur Border	11 Aug 2009	Tura	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

- ❖ Paolo Ricci, Flavia De Luca and Gerardo Mario Verderame (2011)., "6th April 2009 L'Aquila earthquake, Italy: reinforced concrete building performance", Bulletin of Earthquake Engineering, Vol. 9, pp. 285-305.
- ❖ Dina F D Ayala and Sara Paganoni (2011)., "Assessment and analysis of damage in L'Aquila historic city centre after 6th April 2009", Bulletin of Earthquake Engineering, Vol. 9, pp. 81-104.

- ❖ Bruno Silva, João M. Guedes, António Arêde and Aníbal Costa (2012)., "Calibration and application of a continuum damage model on the simulation of stone masonry structures: Gondar church as a case study" *Bulletin of Earthquake Engineering*, Vol. 10, pp. 211-234.
- ❖ T. Nakagawa, T. Narafu, H. Imai, T. Hanazato, Q. Ali and C. Minowa (2012)., "Collapse behavior of a brick masonry house using a shaking table and numerical simulation based on the extended distinct element method" *Bulletin of Earthquake Engineering*, Vol. 10, pp. 269-283.
- ❖ Sergio Lagomarsino (2012)., "Damage assessment of churches after L'Aquila earthquake (2009)" *Bulletin of Earthquake Engineering*, Vol. 10, pp. 73-92.

Reports:

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

- ❖ Curt B Haselton, and Gregory G (2007)., "Assessing Seismic Collapse Safety of Modern Reinforced Concrete Moment Frame Buildings", PEER Report 2007/08, Pacific Earthquake Engineering Research Centre, College of Engineering, Univ. of California, Berkeley.

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