

# QUAKE 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 August-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
13/08/2013	15:43:15	5.78°N	78.174°W	12.0	6.6	Mutis, Colombia
16/08/2013	02:31:07	41.767°S	174.061°E	10.0	6.5	Blenheim, New Zealand
21/08/2013	12:38:30	16.917°N	99.381°W	20.0	6.2	San Marcos, Mexico
30/08/2013	16:25:02	51.610°N	175.361°W	33.5	7.0	Adak, Alaska

### **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
02/08/2013	02:32:50	33.5°N	75.5°E	28	5.4	Jammu & Kashmir
02/08/2013	12:04:22	24.2°N	94.8°E	15	5.0	Myanmar-India border
02/08/2013	21:37:40	33.4°N	75.9°E	20	5.2	Kishtwar, Jammu & Kashmir
02/08/2013	22:40:05	33.4°N	75.9°E	10	3.7	Kishtwar, Jammu & Kashmir
03/08/2013	09:31:04	33.5°N	75.8°E	10	3.3	Kishtwar, Jammu & Kashmir
05/08/2013	07:27:06	27.0°N	70.7°E	20	4.0	Jaisalmer, Rajasthan
05/08/2013	13:57:47	33.3°N	75.9°E	27	4.4	Kishtwar, Jammu & Kashmir
11/08/2013	08:24:16	24.9°N	91.9°E	20	3.6	Bangladesh-India border
14/08/2013	07:37:34	33.4°N	76.0°E	15	3.3	Kishtwar, Jammu & Kashmir
18/08/2013	11:00:40	27.3°N	88.7°E	06	3.0	East Gangtok, Sikkim
18/08/2013	11:12:20	26.5°N	93.1°E	10	3.1	Karbi Anglong (Diphu), Assam
18/08/2013	23:53:27	33.3°N	76.0°E	18	4.6	Kishtwar, Jammu & Kashmir
21/08/2013	06:57:20	26.7°N	92.5°E	30	4.2	Sonitpur, Assam
21/08/2013	13:09:25	26.1°N	92.9°E	33	3.2	Nagaon, Assam
26/08/2013	08:12:09	26.3°N	94.7°E	24	3.3	Tuensang, Nagaland
29/08/2013	10:13:21	31.4°N	76.1°E	10	4.7	Punjab-HP border
31/08/2013	03:55:06	24.6°N	94.2°E	08	3.7	Chandel, Manipur

## **GROUND MOTION RECORDS:**

In our centre around 395 ground motion records are available. Since 1973 the ground motions are available with N-S, E-W and U-D components. The updated ground motions are listed.

(Source: PESMOS-IITR)

<b>S No</b>	<b>Earthquake</b>	<b>Date</b>	<b>Station</b>	<b>Component</b>
1	Myanmar-India Border	03 Sep 2009	Silchar	E-W
2	Myanmar-India Border	03 Sep 2009	Silchar	N-S
3	Myanmar-India Border	03 Sep 2009	Silchar	U-D
4	Myanmar-India Border	03 Sep 2009	Tura	E-W
5	Myanmar-India Border	03 Sep 2009	Tura	N-S
6	Myanmar-India Border	03 Sep 2009	Tura	U-D
7	Myanmar-India Border	03 Sep 2009	Bongaigaon	E-W
8	Myanmar-India Border	03 Sep 2009	Bongaigaon	N-S
9	Myanmar-India Border	03 Sep 2009	Bongaigaon	U-D
10	Myanmar-India Border	03 Sep 2009	Nongstoin	E-W
11	Myanmar-India Border	03 Sep 2009	Nongstoin	N-S
12	Myanmar-India Border	03 Sep 2009	Nongstoin	U-D
13	Myanmar-India Border	03 Sep 2009	Goalpara	E-W
14	Myanmar-India Border	03 Sep 2009	Goalpara	N-S
15	Myanmar-India Border	03 Sep 2009	Goalpara	U-D
16	Myanmar-India Border	03 Sep 2009	Guwahati	E-W
17	Myanmar-India Border	03 Sep 2009	Guwahati	N-S
18	Myanmar-India Border	03 Sep 2009	Guwahati	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

- ❖ Fabio Mazza and Alfonso Vulcano (2010), "Nonlinear Dynamic Response of RC Framed Structures Subjected to Near-fault Ground Motions", Bulletin of Earthquake Engineering, Vol. 8, pp.1331-1350.
- ❖ Sitharam T G and Anbazhagan P (2007), "Seismic Hazard Analysis for the Bangalore Region", Natural Hazards, 40, pp.261-278.
- ❖ William Mohanty K and Yanger Walling M (2008), "Seismic Hazard in Mega City Kolkata", Natural Hazards, 47, pp.39-54.
- ❖ Pinki Hazarika and Ravi Kumar M (2012), "Seismicity and Source Parameters of Moderate Earthquakes in Sikkim Himalaya", Natural Hazards, 62, pp.937-952.

- ❖ Mirko Corigliano, Carlo Lai G, Arun Menon and Teraphan Ornthammarath (2012), "Seismic Input at the Archaeological Site of Kancheepuram in Southern India" *Natural Hazards*, 63, pp 845-866.

### **Reports:**

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

- ❖ Peter May J (2007)., "Societal Implications of Performance Based Earthquake Engineering", PEER Report 2006/12, Pacific Earthquake Engineering Research Centre, College of Engineering, Univ. of California, Berkeley.

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