

QUAKE BULLETIN

Monthly Bulletin

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EARTHQUAKE EVENTS:

This database will give the information about the earthquakes that occurred worldwide and in India in the month of November, 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
7/11/2012	16:35:46	13.981°N	91.878°W	24.0	7.4	South of Champerico, Guatemala
11/11/2012	01:12:38	23.005°N	95.884°E	14.0	6.8	NNE of Shwebo, Burma
11/11/2012	22:15:00	14.164°N	92.167°W	27.0	6.5	WSW of Champerico, Guatemala
16/11/2012	18:12:39	49.273°N	155.476°E	29.0	6.5	SSW of Severo, Russia

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
06/11/2012	12:21:12	32.3°N	76.2°E	05	4.1	DIST (CHAMBA - KANGRA) BORDER REGION, HIMACHAL PRADESH
09/11/2012	05:44:34	36.9°N	73.5°E	10	4.3	INDIA (J&K) - PAKISTAN BORDER REGION
11/11/2012	01:12:36	23.0°N	95.9°E	10	6.7	MYANMAR
11/11/2012	20:23:12	32.3°N	76.2°E	05	4.0	KANGRA, HIMACHAL PRADESH
12/11/2012	20:02:12	30.7°N	78.5°E	05	2.5	DISTT. UTTARKASHI, UTTRAKHAND
14/11/2012	22:10:04	23.3°N	91.5°E	10	3.5	SOUTH TRIPURA
15/11/2012	06:46:07	30.2°N	80.1°E	5	3.0	DIST (PITHORAGARH- BAGESHWAR BORDER REGION, UTTRAKHAND
16/11/2012	16:58:00	28.0°N	93.2°E	5	3.5	LOWER SUBANSIRI, ARUNACHAL PRADESH
19/11/2012	06:25:21	28.7°N	76.6°E	5	3.5	DISTT ROHTAK, HARYANA
19/11/2012	17:25:50	23.0°N	96.0°E	10	5.0	MYANMAR
20/11/2012	04:15:35	22.1°N	75.6°E	28	3.3	KASRAWAD TALUK, WEST

						NIMAR DISTT., M.P.
25/11/2012	06:01:44	23.7°N	91.5°E	15	4.2	WEST TRIPURA
26/11/2012	00:34:29	30.3°N	80.0°E	05	2.8	BAGESHWAR, UTTARAKHAND
27/11/2012	12:15:15	30.9°N	78.4°E	12	4.8	DISTT.UTTARKASHI, UTTARAKHAND
28/11/2012	22:19:21	11.9°N	77.9°E	15	3.3	DIST (DHARAMPURI -- SALEM BORDER REGION), TAMILNADU
30/11/2012	03:52:22	25.9°N	95.7°E	10	4.7	MYANMAR
30/11/2012	04:59:20	24.5°N	94.4°E	06	3.5	MANIPUR(INDIA) - MYANMAR BORDER REGION
30/11/2012	19:39:29	27.3°N	88.3°E	10	4.1	WEST SIKKIM

GROUND MOTION RECORDS:

In our centre around 235 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	Assam-Meghalara	15 Feb 2009	Barpeta	E-W
2	Assam-Meghalara	15 Feb 2009	Barpeta	N-S
3	Assam-Meghalara	15 Feb 2009	Barpeta	U-D
4	Assam-Meghalara	15 Feb 2009	Bongaigaon	E-W
5	Assam-Meghalara	15 Feb 2009	Bongaigaon	N-S
6	Assam-Meghalara	15 Feb 2009	Bongaigaon	U-D
7	Assam-Meghalara	15 Feb 2009	Dhubri	E-W
8	Assam-Meghalara	15 Feb 2009	Dhubri	N-S
9	Assam-Meghalara	15 Feb 2009	Dhubri	U-D
10	Assam-Meghalara	15 Feb 2009	Kokhrajhar	E-W
11	Assam-Meghalara	15 Feb 2009	Kokhrajhar	N-S
12	Assam-Meghalara	15 Feb 2009	Kokhrajhar	U-D
13	Assam-Meghalara	15 Feb 2009	Tura	E-W
14	Assam-Meghalara	15 Feb 2009	Tura	N-S
15	Assam-Meghalara	15 Feb 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

- ❖ Vijaya Narayanan and Durgesh C Rai (2012)., "Fragility Estimates for RC and PT Flat Slab-Column Connections Subjected to Lateral Drifts", Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, Portugal, Paper ID: 1393.

- ❖ Saraf A, Singhal V, Poonia V and Durgesh C Rai (2012)., "Effect of Grid Pattern on Load Deformation Behavior of Paneled Masonry Walls", Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, Portugal, Paper ID: 4846.
- ❖ Singhal V, and Durgesh C Rai (2012)., "Role of Tothing on Out-of-Plane Behavior of Damaged Confirmed Masonry Walls", Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, Portugal, Paper ID: 4850.
- ❖ Chenna Rajaram and Ramancharla Pradeep Kumar (2012)., "Study on Impact Between Adjacent Buildings: Comparison of Codal Provisions", Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, Portugal, Paper ID: 420.
- ❖ Archanaa Dongre and Ramancharla Pradeep Kumar (2012)., "Inelastic Response of RC Moment Resisting Frames with URM Infills", Proceedings of 15th World Conference on Earthquake Engineering, Lisbon, Portugal, Paper ID: 1085.

Reports:

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

- ❖ Yousef Bozorgnia, James O. Malley, C.B. Crouse, Jack P. Moehle, Ronald O. Hamburger, Farzad Naeim, Ronald Klemencic, Jonathan P. Stewart and Helmut Krawinkler (2010)., "Guidelines for Performance-Based Seismic Design of Tall Buildings", PEER Report 2010/05, Pacific Earthquake Engineering Research Centre, College of Engineering, Univ. of California, Berkeley.

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