

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 March-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
01/03/2013	12:53:52	50.938°N	157.511°E	93.0	6.4	SE of Ozernovskiy, Russia
01/03/2013	13:20:50	50.949°N	157.448°E	89.0	6.5	SE of Ozernovskiy, Russia
10/03/2013	22:51:51	6.653°S	148.155°E	32.0	6.5	E of Finschhafen, Papua New Guinea

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
04/03/2013	11:39:32	25.5°N	91.6°E	20	3.2	East Khasi Hills, Meghalaya
04/03/2013	16:05:27	26.1°N	91.4°E	05	4.1	Distt. Kamrup, Assam
04/03/2013	20:15:53	25.0°N	93.0°E	33	3.9	Cachar, Assam
12/03/2013	19:05:50	26.8°N	92.4°E	33	3.4	Sonitpur, Assam
30/03/2013	06:33:54	23.5°N	70.4°E	05	4.0	Rann of Kachchh, Gujarat

GROUND MOTION RECORDS:

In our centre around 295 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-IIIR)

S No	Earthquake	Date	Station	Component
1	Diphu	22 Jun 2009	Diphu	E-W
2	Diphu	22 Jun 2009	Diphu	N-S
3	Diphu	22 Jun 2009	Diphu	U-D
4	Cooch Vihar	13 July 2009	Cooch Vihar	E-W
5	Cooch Vihar	13 July 2009	Cooch Vihar	N-S

6	Cooch Vihar	13 July 2009	Cooch Vihar	U-D
7	Chamba	17 July 2009	Chamba	E-W
8	Chamba	17 July 2009	Chamba	N-S
9	Chamba	17 July 2009	Chamba	U-D
10	Chamba	17 July 2009	Dharmashala	E-W
11	Chamba	17 July 2009	Dharmashala	N-S
12	Chamba	17 July 2009	Dharmashala	U-D
13	Chamba	17 July 2009	Keylang	E-W
14	Chamba	17 July 2009	Keylang	N-S
15	Chamba	17 July 2009	Keylang	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

- ❖ Khaled Hessami, Hadi Tabassi, Koji Okumura, Mohammad R. Abbassi, and Takashi Azuma (2005)., "Surface Deformation and the Fault Responsible for the 2003 Bam, Iran, Earthquake", Earthquake Spectra, Vol. 21, No. S1, pp. S113-123.
- ❖ JackW. Baker, and C. Allin Cornell, (2006)., "Which Spectral Acceleration Are You Using?", Earthquake Spectra, Vol. 22, No. 2, pp. 293-312.
- ❖ Joe Maffei, Criag D Comartin, Brian Kehoe, Gregory R Kingsley and Lizundai, (2000)., "Evaluation of Earthquake Damaged Concrete and Masonry Wall Buildings", Earthquake Spectra, Vol. 16, No. 1, pp. 263-283.
- ❖ Payam Khashaee (2005)., "Damage-based Seismic Design of Structures", Earthquake Spectra, Vol. 21, No. 2, pp. 371-387.
- ❖ Anil K Chopra, and Rakesh K Goel (2000)., "Building Period Formulas for Estimating Seismic Displacement", Earthquake Spectra, Vol. 16, No. 2, pp. 533-536.

Reports:

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

- ❖ Wayne A Brown, Dawn E Lehman and John F Stanton (2007)., "Bar Buckling in Reinforced Concrete Bridge Columns", PEER Report 2007/11, 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))