

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 August, 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
11/8/2012	12:23:18	38.358°N	46.812°E	10.0	6.4	WSW of Ahar, Iran
14/8/2012	02:59:42	49.784°N	145.126°E	625.9	7.7	ENE of Poronaysk, Russia
18/8/2012	09:41:52	1.318°S	120.102°E	10.0	6.3	SSE of Palu, Indonesia
26/8/2012	15:05:37	2.197°N	126.835°E	91.9	6.6	WNW of Tobelo, Indonesia
27/8/2012	04:37:20	12.278°N	88.528°W	20.3	7.3	S of Puerto El Triunfo, El Salvador
30/8/2012	13:43:24	71.461°N	10.919°W	9.9	6.8	NW of Olonkinbyen
31/8/2012	12:47:34	10.839°N	126.704°E	34.9	7.6	E of Sulangan, Philippines

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
5/8/2012	06:36:49	24.8°N	91.8°E	19	4.3	India Bangladesh Border Region
6/8/2012	18:29:45	32.8°N	76.4°E	10	3.2	Lahul & Spiti Himachal Pradesh
9/8/2012	04:08:51	26.2°N	93.6°E	26	3.1	Karbi Anglong, Assam
13/8/2012	20:32:59	34.8°N	73.7°E	30	5.2	India(J&K) Pakistan Border Region
14/8/2012	15:17:01	26.4°N	93.1°E	42	3.2	Karbi Anglong, Assam
19/8/2012	09:24:49	26.7°N	92.5°E	35	5.0	Tezpur, Assam
19/8/2012	19:04:56	26.7°N	92.6°E	40	4.0	Sonitpur, Assam
23/8/2012	16:30:19	28.4°N	82.7°E	10	5.0	Nepal

GROUND MOTION RECORDS:

In our centre around 188 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	Uttarakhand	04 Sep 2008	Kapkot	E-W
2	Uttarakhand	04 Sep 2008	Kapkot	N-S
3	Uttarakhand	04 Sep 2008	Kapkot	U-D
4	Uttarakhand	04 Sep 2008	Pithoragarh	E-W
5	Uttarakhand	04 Sep 2008	Pithoragarh	N-S
6	Uttarakhand	04 Sep 2008	Pithoragarh	U-D
7	Uttarakhand	04 Sep 2008	Munsiari	E-W
8	Uttarakhand	04 Sep 2008	Munsiari	N-S
9	Uttarakhand	04 Sep 2008	Munsiari	U-D
10	Uttarakhand	04 Sep 2008	Champawat	E-W
11	Uttarakhand	04 Sep 2008	Champawat	N-S
12	Uttarakhand	04 Sep 2008	Champawat	U-D
13	Uttarakhand	04 Sep 2008	Dharchula	E-W
14	Uttarakhand	04 Sep 2008	Dharchula	N-S
15	Uttarakhand	04 Sep 2008	Dharchula	U-D
16	Uttarakhand	04 Sep 2008	Ghanshyali	E-W
17	Uttarakhand	04 Sep 2008	Ghanshyali	N-S
18	Uttarakhand	04 Sep 2008	Ghanshyali	U-D
19	Uttarakhand	04 Sep 2008	Joshimath	E-W
20	Uttarakhand	04 Sep 2008	Joshimath	N-S
21	Uttarakhand	04 Sep 2008	Joshimath	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

- ❖ Sudhir K Jain, AD Roshan, Siddharth Yadav, Sonam Srivastav and Prabir C Basu (2012)., "Strong Motion Data from Structural Response Recorders in Indian Earthquakes", Earthquake Spectra, Vol 28, No. 1, pp 77-103.
- ❖ Hasan Aydin Pekoz and Jose A Pincheira (2012)., "A Method for Estimating Spectral Displacements Using A Velocity Pulse", Earthquake Spectra, Vol 28, No. 2, pp 689-708.
- ❖ S Komaraneni, Durgesh C Rai and Vaibhav Singhal (2011)., "Seismic Behavior of Framed Masonry Panels with Prior Damage When Subjected to Out-of-Plane Loading", Earthquake Spectra, Vol 27, No. 4, pp 1077-1103.
- ❖ Cathryn P Lynch, Kristen L Rowe and Abbie B Liel (2011)., "Seismic Performance of Reinforced Concrete Frame Buildings in Southern California", Earthquake Spectra, Vol 27, No. 2, pp 399-418.

- ❖ Grigorious Manoukas, Asimina Athanatopoulou and Ioannis Avramidis (2011)., "Static Pushover Analysis Based on an Energy Equivalent SDOF System", Earthquake Spectra, Vol 27, No. 1, pp 89-105.

Reports:

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

- ❖ Chandra Clyde, Chris P Pantelides and Lawrence D Reaveley (2000)., "Performance Based Evaluation of Exterior Reinforced Concrete Building Joints for Seismic Excitation", PEER Report 2000/05, 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))