

QUAKE BULLETIN

Monthly Bulletin

Vol.1 No.8 Aug-2012

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 in India in the month of July, 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
26/7/2012	05:33:31	17.593°S	66.363°E	9.8	6.7	Mauritius Reunion Region
25/7/2012	11:20:27	9.721°S	159.730°E	22.9	6.5	SW of Honiara, Solomon Islands
25/7/2012	00:27:45	2.657°N	96.126°E	22.0	6.4	NW of Sinabang, Indonesia
6/7/2012	02:28:22	14.657°S	167.350°E	160.1	6.3	NE of Port-Olry Vanuatu
3/7/2012	10:36:16	39.963°S	173.705°E	236.1	6.3	SSW of Opunake, Newzeland

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
28/7/2012	05:48:06	29.7°N	80.7°E	10	4.5	Nepal-India Boarder Region
26/7/2012	05:31:36	33.2°N	76.3°E	5	3.8	J&K Himachal Boarder Region
22/7/2012	02:11:10	25.1°N	96.3°E	10	5.2	Myanmar
14/7/2012	19:55:18	25.5°N	94.2°E	35	5.5	Kohima, Nagaland
10/7/2012	15:53:57	25.7°N	91.7°E	5	3.5	West Khasi Hills, Meghalaya
9/7/2012	20:13:08	25.5°N	96.3°E	10	5.2	Myanmar
5/7/2012	09:29:33	25.7°N	94.2°E	20	3.1	Nagaland
2/7/2012	10:07:12	28.6°N	76.3°E	7	3.3	Bhiwani, Haryana
1/7/2012	04:13:52	25.7°N	94.6°E	50	5.8	Phek, Nagaland

GROUND MOTION RECORDS:

In our centre around 176 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	Pithoragarh	19 Aug 2008	Kapkot	E-W
2	Pithoragarh	19 Aug 2008	Kapkot	N-S
3	Pithoragarh	19 Aug 2008	Kapkot	U-D
4	Pithoragarh	19 Aug 2008	Pithoragarh	E-W
5	Pithoragarh	19 Aug 2008	Pithoragarh	N-S
6	Pithoragarh	19 Aug 2008	Pithoragarh	U-D
7	Pithoragarh	19 Aug 2008	Munsiari	E-W
8	Pithoragarh	19 Aug 2008	Munsiari	N-S
9	Pithoragarh	19 Aug 2008	Munsiari	U-D
10	Pithoragarh	19 Aug 2008	Champawat	E-W
11	Pithoragarh	19 Aug 2008	Champawat	N-S
12	Pithoragarh	19 Aug 2008	Champawat	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

- ❖ Diptesh Das and CVR Murthy., "Brick Masonry Infill in Seismic Design of RC Frame Buildings Part 2 – Behavior", Indian Concrete Journal, August 2004.
- ❖ Hemanth B Kaushik, Durgesh C Rai and Sudhir K Jain., "Stress-Strain Characteristics of Clay Brick Masonry Under Uniaxial Compression", ASCE, Vol133, No9, 2007.
- ❖ Hemanth B Kaushik, Durgesh C Rai and Sudhir K Jain., "Code Approaches to Seismic Design of Masonry Infilled RC Frames: A State Art of the Review", Earthquake Spectra, Vol22, No4, pp.961-983, 2006.
- ❖ R Tabatabaei and H Saffari., "Evaluation of the Torsional Response of Multi Storey Buildings Using Equivalent Static Eccentricity", ASCE, Vol137, No8, 2011.
- ❖ Vinod K Sadashiva, Gregory A Macrae and Bruce L Deam., "Seismic Response of Structures with Coupled Vertical Stiffness-Strength Irregularities", Earthquake Engineering and Structural Dynamics, Vol41, pp.119-138, 2011.

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