

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 from December 2015. The list of the earthquakes is as follows:

Worldwide:

(Source: <http://earthquake.usgs.gov/earthquakes/>)

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
4/12/2015	22:25:00	47.62S	85.09E	35	7.1	Southeast Indian Ridge
7/12/2015	7:50:06	38.26N	72.77E	26	7.2	105km W of Murghob, Tajikistan
9/12/2015	10:21:50	4.12S	129.48E	34	6.9	106km SE of Amahai, Indonesia
17/12/2015	19:49:54	15.89N	93.44W	98	6.6	9km ENE of Tres Picos, Mexico
19/12/2015	2:10:53	18.40S	169.40E	10	6.2	128km N of Isangel, Vanuatu
20/12/2015	18:47:35	3.63N	117.63E	9	6.0	36km N of Tarakan, Indonesia
24/12/2015	19:44:03	55.78S	123.09W	12	6.1	Southern East Pacific Rise
25/12/2015	19:14:47	36.49N	71.13E	206	6.3	41km WSW of Ashkasham, Afghanistan
4/12/2015	22:25:00	47.62S	85.09E	35	7.1	Southeast Indian Ridge
7/12/2015	7:50:06	38.26N	72.77E	26	7.2	105km W of Murghob, Tajikistan
9/12/2015	10:21:50	4.12S	129.48E	34	6.9	106km SE of Amahai, Indonesia
17/12/2015	19:49:54	15.89N	93.44W	98	6.6	9km ENE of Tres Picos, Mexico

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
03/12/2015	1:48:15	02.7°N	95.6°E	10	4.8	OFF WEST COAST OF NORTHERN SUMATRA, INDONESIA
06/12/2015	12:35:17	28.8°N	76.8°E	5	2.9	ROHTAK, HARYANA
07/12/2015	7:50:02	38.1°N	72.9°E	25	7	TAJIKISTAN

13/12/2015	18:24:25	26.2°N	93.3°E	36	3.3	KARBI ANGLONG, ASSAM
15/12/2015	2:35:14	24.2°N	86.6°E	10	4.2	DEVGHAR, JHARKHAND
16/12/2015	4:48:16	13.5°N	94.0°E	10	4.8	ANDAMAN ISLANDS
18/12/2015	22:16:55	29.3°N	81.7°E	10	5.4	NEPAL
23/12/2015	9:22:05	26.4°N	93.2°E	30	4.2	KARBI ANGLONG, ASSAM
25/12/2015	19:14:46	36.5°N	71.2°E	186	6.5	HINDUKUSH REGION AFGHANISTAN
27/12/2015	4:42:50	25.4°N	91.9°E	5	2.7	SHILLONG, MEGHALAYA
29/12/2015	15:50:22	30.2°N	79.3°E	10	2.9	CHAMOLI,UTTARAKHAND
30/12/2015	17:24:54	25.1°N	91.1°E	10	3.7	INDIA(MEGHALAYA)- BANGLADESH BORDER REGION

GROUND MOTION RECORDS:

In our centre around 624 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		
				NS	EW	UD
1	Tisa	25 March 2010	Tisa	✓	✓	✓
2	Tura	28 March 2010	Tura	✓	✓	✓
3	Tura1	28 March 2010	Tura	✓	✓	✓

EERC LIBRARY:

Publications:

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

- ❖ A. Sridhar, A. Kuang, J. Garven, S. Gutschmidt, J. G. Chase, H. P. Gavin, R. L. Nigbor, G. W. Rodgers and G. A. Macrae (2014), "Christchurch Women's Hospital: Analysis of Measured earthquake Data during the 2011-2012 Christchurch Earthquakes", Earthquake Spectra, February, Vol. 30(1), pp. 383-400.
- ❖ C. Geib, H. Taubenbock, S. Tyagunov, A. Tisch, J. Post and T. Lakes (2014), "Assessment of Seismic Buildings Vulnerability from Space", Earthquake Spectra, November, Vol. 30(4), pp. 1553-1583.
- ❖ R. B. Fleischman, J. I. Restrepo, S. Pampanin, J. R. Maffei, K. Seeber and F. A. Zahn (2014), "Damage Evaluation of Precast Concrete Structures in the 2010-2011 Canterbury Earthquake Sequence", Earthquake Spectra, February, Vol. 30(1), pp. 277-306.

- ❖ T. D. O'Rourke, S. S. Jeon, S. Toprak, M. Cubrinovski, M. Hughes, S. Ballegooy and D. Bouziou (2014), "Earthquake Response of Underground Pipeline Networks in Christchurch, NZ", Earthquake Spectra, February, Vol. 30(1), pp. 183-204.
- ❖ A. Baird, A. S. Tasligedik, A. Palermo and S. Pampanin (2014), "Seismic Performance of Vertical Nonstructural Components in the 22 February 2011 Christchurch Earthquake", Earthquake Spectra, February, Vol. 30(1), pp. 401-425.

❖ Latest Earthquake Records:

The following ground motions were recorded at CDG00 station Chandigarh, Punjab.

