

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 August 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
10/08/2015	04:12:14	9.346°S	158.056°E	15.0	6.6	Dadali, Soloman Islands
15/08/2015	07:47:06	10.905°S	163.877°E	6.30	6.6	Lata, Soloman Islands

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
03/08/2015	13:16:02	27.4°N	66.1°E	10	5.5	PAKISTAN
03/08/2015	19:55:42	04.7°N	95.2°E	60	5.0	NORTHERN SUMATRA, INDONESIA
03/08/2015	20:47:48	11.8°N	92.4°E	28	4.5	ANDAMAN ISLANDS
04/08/2015	16:44:38	36.5°N	71.1°E	138.0	5.2	HINDUKUSH REGION, AFGHANISTAN
06/08/2015	21:43:37	30.3°N	79.5°E	10	2.9	DIST. CHAMOLI, UTTARAKHAND
09/08/2015	22:30:26	28.0°N	84.7°E	10	4.4	NEPAL
10/08/2015	10:05:24	36.5°N	71.3°E	210	6.2	HINDUKUSH REGION, AFGHANISTAN
15/08/2015	05:42:24	27.4°N	88.0°E	36	4.0	SIKKIM
15/08/2015	18:11:39	27.6°N	85.9°E	10	4.6	NEPAL
19/08/2015	19:18:11	31.7°N	77.0°E	10	4.0	MANDI, HIMACHAL PRADESH
23/08/2015	09:02:03	27.6°N	86.0°E	10	5.0	NEPAL
24/08/2015	06:53:43	27.8°N	87.1°E	10	3.7	NEPAL
26/08/2015	01:56:52	18.7°N	84.5°E	15	3.3	DISTT. SRIKAKULAM, ANDHRA PRADESH
28/08/2015	19:21:56	25.5°N	89.4°E	10	4.0	BANGLADESH-INDIA (MEGHALAYA) BORDER
30/08/2015	13:17:35	27.5°N	85.6°E	15	4.0	NEPAL

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	Bhutan	31 Dec 2009	Bongaigaon	√	√	√
			Goalpara	√	√	√
			Guwahati	√	√	√
			Kokhrajhar	√	√	√
			Tura	√	√	√
2	Pithoragarh	11 Jan 2010	Champawat	√	√	√
			Dharchula	√	√	√
			Pithoragarh	√	√	√
3	Tisa	11 Jan 2010	Tissa	√	√	√

EERC LIBRARY:

Publications:

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

- ❖ N. M. Kuehn and F. Scherbaum (2015), "Ground-motion prediction model building: a multilevel approach", Bull Earthquake Eng, Vol.13, pp.2481-2491.
- ❖ Orkun Gorgulu and Beyza Taskin (2015), "Numerical simulation of RC infill walls under cyclic loading and calibration with widely used hysteretic models and experiments", Bull Earthquake Eng, Vol.13, pp.2591-2610.
- ❖ Sohaib Ahmad, Shaukat Ali Khan, Kypros Pilakoutas, and Qaiser Uz Zaman Khan, (2015), "Empirical vulnerability assessment of the non-engineered reinforced concrete structures using the Kashmir earthquake damage data", Bull Earthquake Eng, Vol.13, pp.2611-2628.
- ❖ Alberto Maria Avossa and Pasquale Malangone, (2015), "Seismic performance assessment of masonry structures with a modified concrete model", Bull Earthquake Eng, Vol.13, pp.2693-2718.
- ❖ Vitor Silva, Ma'rio Marques, Jose Miguel Castro, and Humberto Varum, (2015), "Development and application of a real-time loss estimation framework for Portugal", Bull Earthquake Eng, Vol.13, pp.2493-2516.

Reports:

The following report are very useful for research

- ❖ Popov E and Takhirov S. (2001)., "Experimental Study of Large Seismic Steel Beam-to-Column Connections", PEER Report 2001/01, Pacific Earthquake Engineering Research Centre, College of Engineering, Univ. of California, Berkeley.