

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 November 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
18/11/2015	18:31:04	08.929°S	158.410°E	13.4	7.0	Dadali, Solomon Islands
24/11/2015	22:45:38	10.548°S	70.904°W	600.6	7.6	Iberia, Peru
24/11/2015	22:50:53	10.047°S	71.023°W	611.7	7.6	Tarauaca, Brazil

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
08/11/2015	10:42:08	07.0°N	94.6°E	35	5.2	NICOBAR ISLANDS, INDIA
08/11/2015	10:53:31	06.8°N	94.6°E	35	5	NICOBAR ISLANDS
08/11/2015	11:54:52	07.3°N	94.5°E	60	5	NICOBAR ISLANDS
08/11/2015	13:24:03	07.5°N	94.5°E	35	5.2	NICOBAR ISLANDS
08/11/2015	14:34:12	06.9°N	94.8°E	50	5	NICOBAR ISLANDS
08/11/2015	14:47:08	07.0°N	94.6°E	50	4.9	NICOBAR ISLANDS
08/11/2015	16:47:07	06.9°N	94.6°E	10	6	NICOBAR ISLANDS
08/11/2015	16:59:26	07.1°N	94.6°E	10	5.6	NICOBAR ISLANDS
08/11/2015	17:47:17	06.7°N	94.7°E	10	4.7	NICOBAR ISLANDS
08/11/2015	18:48:47	06.6°N	94.6°E	10	4.9	NICOBAR ISLANDS
08/11/2015	19:14:48	06.8°N	94.3°E	10	4.9	NICOBAR ISLANDS
09/11/2015	6:12:24	06.5°N	94.8°E	10	5.1	NICOBAR ISLANDS
09/11/2015	8:12:53	06.7°N	94.8°E	60	5.4	NICOBAR ISLANDS
13/11/2015	7:44:33	29.8°N	80.2°E	10	3	DISTT. PITHORAGARH , UTTARAKHAND
14/11/2015	16:53:40	07.1°N	94.9°E	10	4.9	NICOBAR ISLANDS
18/11/2015	0:59:10	36.5°N	70.5°E	184	5	HINDIKUSH REGION, AFGHANISTAN
18/11/2015	8:25:41	29.8°N	80.5°E	15	3.3	INDIA , UTTARAKHAND - NEPAL BORDER REGION
18/11/2015	14:31:21	34.0°N	74.7°E	10	3.1	JAMMU & KASHMIR
19/11/2015	4:15:52	27.8°N	85.6°E	20	5	NEPAL
22/11/2015	18:16:02	36.5°N	71.6°E	80	6	HINDUKUSH REGION AFGHANISTAN

25/11/2015	16:15:07	26.4°N	92.8°E	10	4.9	NAGAON, ASSAM
27/11/2015	8:34:02	22.5°N	94.7°E	47	5.2	MYANMAR
27/11/2015	11:40:37	34.9°N	73.8°E	67	4.8	PAKISTAN
29/11/2015	2:47:38	30.6°N	79.6°E	10	4	CHAMOLI,UTTARAKHAND

GROUND MOTION RECORDS:

In our centre around 641 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	Myanmar	12 Mar 2010	Bongaigaon	✓	✓	✓
			Goalpara	✓	✓	✓
			Guahati	✓	✓	✓
			Hailakandi	✓	✓	✓
			Tura	✓	✓	✓
2	Panjab-HP border	14 Mar 2010	Ambala	✓	✓	✓
			Dasua	✓	✓	✓
			Dehradun	✓	✓	✓
			Garsain	✓	✓	✓
			Hamirpur	✓	✓	✓
			Jalandhar	✓	✓	✓
			Jubbal	✓	✓	✓
			Kapurthala	✓	✓	✓
			Nathpa	✓	✓	✓
			NawanShahar	✓	✓	✓
			Roorkee	✓	✓	✓
			Sangrur	✓	✓	✓
			SunderNagar	✓	✓	✓

EERC LIBRARY:

Publications:

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

- ❖ M. Perrault, and P. Guéguen., (2015), “Correlation between Ground Motion And Building Response Using California Earthquake Records”, Earthquake Spectra, Vol. 31, No.4, pp 2027-2046.
- ❖ M. Pasyanos., (2015), “Validation of Attenuation Models for Ground Motion Applications in Central and Eastern North America”, Earthquake Spectra, Vol. 31, No.4, pp 2281-2300.
- ❖ Y. Huang, A.S. Whittaker., (2015), “On the Calculation of Peak Ground Velocity for Seismic Performance Assessment”, Earthquake Spectra, Vol. 31, No.2, pp 785-794.

