

QUAKE BULLETIN

Monthly Bulletin

Vol.6 No.9 September 2017

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EARTHQUAKE EVENTS:

This database will give the information about the earthquakes that occurred worldwide and India wide from August 2017. The list of the earthquakes is as follows:

Worldwide:

(Source: United States Geological System, USGS, <http://earthquake.usgs.gov/earthquakes/>)

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
08/08/2017	23:27:53	44.30 N	82.83 E	20	6.3	109km SSE of Dostyq, Kazakhstan
08/08/2017	13:19:49	33.19N	103.86 E	9	6.5	36km WSW of Yongle, China
11/08/2017	5:28:25	13.99 N	120.68 E	172	6.2	2km E of Prinza, Philippines
13/08/2017	3:08:11	3.79 S	101.60 E	36	6.4	73km W of Bengkulu, Indonesia

India wide:

(Source: Indian Meteorological Department, IMD, http://www.imd.gov.in/pages/earthquake_prelim.php)

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
02/08/2017	18:18:08	24.40 N	93.40 E	65	5.4	Churachandpur, Manipur
05/08/2017	12:24:56	26.80 N	92.20 E	10	3.3	Darrang, Assam
06/08/2017	3:48:32	6.30 N	94.90 E	10	4.9	Nicobar Islands
07/08/2017	11:25:07	26.30 N	91.70 E	10	3.4	Distt. Kamrup, Assam
08/08/2017	0:35:37	24.40 N	93.50 E	35	4.3	Churachandpur, Manipur
11/08/2017	5:28:28	14.00 N	120.70 E	200	6.2	Luzon, Philippines
11/08/2017	3:34:53	13.80 N	92.90 E	10	5.0	Andaman Islands
11/08/2017	2:39:50	27.30 N	96.60 E	60	4.1	Myanmar-India (Arunachal Pradesh) Border Region
13/08/2017	3:08:16	3.70 S	101.50 E	10	6.4	Southern Sumatra, Indonesia
16/08/2017	6:35:23	19.50 N	77.20 E	10	3.0	Distt. Hingoli, Maharashtra
16/08/2017	3:26:48	32.70 N	76.30 E	10	4.1	Chamba, Himachal Pradesh
16/08/2017	3:23:14	32.70 N	76.40 E	10	3.5	Chamba, Himachal Pradesh
17/08/2017	7:38:32	25.90 N	94.40 E	24	4.4	Zunheboto, Nagaland
17/08/2017	3:52:32	26.60 N	95.40 E	60	3.8	Myanmar- India (Arunachal Pradesh) Border Region
19/08/2017	16:52:32	17.30 N	73.70 E	10	4.5	District Satara, Maharashtra
22/08/2017	15:22:07	30.50 N	79.90 E	10	4.2	Distt. Chamoli, Uttarakhand
22/08/2017	0:50:39	29.20 N	81.10 E	10	4.5	Nepal
23/08/2017	20:58:35	36.00 N	74.30 E	90	5.0	Jammu & Kashmir

27/08/2017	8:05:09	17.10 N	73.90 E	5	3.3	Koyna Maharashtra
27/08/2017	4:05:58	24.90 N	94.10 E	30	3.2	Senapati, Manipur
31/08/2017	17:57:26	26.60 N	92.70 E	10	3.4	Distt. Sonitpur Assam
31/08/2017	17:06:58	1.10 S	99.90 E	46	6.2	Southern Sumatra, Indonesia

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. Out of all the available ground motions few of them are listed below.

(Source: PESMOS-IITR)

S No	Earthquake	Date	Station	Component		
				NS	EW	UD
1	Pauri, Uttarakhand	16 January 2012	Pauri	✓	✓	✓
2	Uttarkashi Distt., Uttarakhand	09 February 2012	Dharchula	✓	✓	✓
			Kullu	✓	✓	✓
			Sundernagar	✓	✓	✓
			Uttarkashi	✓	✓	✓

EERC LIBRARY:

Publications:

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

- ❖ C.R. Amarnath, and S. Ghosh (2010), "Inclusion of P- Δ Effects in Estimation of Hysteretic Energy Demand Based on Modal Pushover Analysis", ISET Journal of Earthquake Technology, Vol. 47, No. 2-4, pp 75-85, June-December 2010.
- ❖ S. Jagdish, M Meenal and S. Mahabir (2011), "Deformation of a Uniform Half-Space with Rigid Boundary due to a Long Tensile Fault", ISET Journal of Earthquake Technology, Vol. 48 (1), pp 1-10, March 2011.
- ❖ E.S. Esmailzadeh, A. Kurtulus, K.H. Stokoe II and E. Taciroglu (2017), "Interaction of a pile with layered-soil under vertical excitations: field experiments versus numerical simulations", Bulletin of Earthquake Engineering, Vol. 15 (9), pp 3529-3553, September 2017.