

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 July 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
06/07/2017	8:03:57	11.11 N	124.62 E	7	6.5	2km N of Masarayao, Philippines
11/07/2017	7:00:01	49.48 S	164.03 E	10	6.6	204km NW of Auckland Island, New Zealand
13/07/2017	3:36:09	4.79 S	153.16 E	47	6.4	38km SSE of Taron, Papua New Guinea
17/07/2017	11:05:09	54.58 N	168.65 E	10	6.3	183km ESE of Nikol'skoye, Russia
17/07/2017	23:34:13	54.47 N	168.81 E	11	7.7	198km ESE of Nikol'skoye, Russia
18/07/2017	2:05:19	16.40 S	73.60 W	44	6.4	98km WNW of Camana, Peru
20/07/2017	22:31:11	36.92 N	27.41 E	7	6.6	11km ENE of Kos, Greece

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
01-07-2017	7:01:15	23.8N	94.4 E	81	5.0	Myanmar- India Border Region
02-07-2017	5:27:44	24.3N	94.4 E	80	4.9	Myanmar-India Border Region
02-07-2017	4:44:49	26.5N	90.0 E	10	3.1	Kokajhar, Assam
02-07-2017	1:58:28	27.4 N	86.5 E	10	4.9	Nepal
04-07-2017	10:05:47	27.0 N	92.1 E	10	3.5	West Kameng, Arunachal Pradesh
05-07-2017	9:37:23	25.9 N	90.3 E	10	3.3	Distt. West Garo Hills, Meghalaya
08-07-2017	18:08:37	27.5 N	92.5 E	15	3.2	Distt. West Kameng, Arunachal Pradesh.
08-07-2017	11:21:01	27.3 N	88.5 E	10	3.0	East Sikkim
08-07-2017	10:12:31	34.6 N	73.5 E	10	5.2	India (J&K) - Pakistan Border Region
09-07-2017	7:59:49	29.2 N	95.5 E	10	4.8	Eastern Xizang-India (Arunachal Pradesh) Border Region
10-07-2017	23:28:30	27.1 N	93.8 E	10	3.1	Distt. Papumpare Arunachal Pradesh
10-07-2017	21:38:59	30.4 N	79.2 E	70	3.8	Chamoli, Uttarakhand
11-07-2017	7:00:11	49.4 S	164.5 E	10	6.6	Auckland Islands, New Zealand.
13-07-2017	5:03:33	23.6 N	94.2 E	90	4.8	Myanmar--India Border Region
15-07-2017	16:35:31	28.8 N	81.5 E	81	4.5	NEPAL

15-07-2017	2:25:35	30.6 N	77.7 E	10	3.3	Sirmaur, Himachal Pradesh
17-07-2017	20:20:26	24.9 N	95.0 E	113	4.0	Myanmar- India (manipur) Border
17-07-2017	13:24:41	24.3 N	91.7 E	10	3.5	India-Bangladesh Border Region
17-07-2017	9:47:26	26.8 N	89.2 E	10	3.4	West Bengal
18-07-2017	23:11:55	25.0 N	94.2 E	10	3.2	Ukhrul-Manipur
18-07-2017	17:05:17	24.7 N	94.1 E	10	3.4	Senapati, Manipur
19-07-2017	13:48:14	33.1 N	76.4 E	5	3.4	Distt. Chamba, Himachal Pradesh
21-07-2017	0:23:38	24.0 N	92.1 E	20	3.9	North Tripura
22-07-2017	20:06:48	25.2 N	94.5 E	80	3.6	Ukhrul, Manipur
23-07-2017	21:43:45	26.9 N	95.8 E	108	3.5	Myanmar -India(Arunachal Pradesh) Border Region
25-07-2017	18:28:00	26.3 N	93.1 E	28	3.2	Karbi Anglong, Assam
29-07-2017	22:01:25	24.1 N	93.6 E	30	3.3	Churachandpur, Manipur
31-07-2017	0:57:22	26.9 N	92.3 E	10	4.0	Darrang., Assam

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	Uttarkashi dist., Uttaranchal	24 September 2011	Barkot	✓	✓	✓
2	Gangtok	29 September 2011	Barkot	✓	✓	✓
3	Mandi	26 October 2011	Sundernagar	✓	✓	✓

EERC LIBRARY:

Publications:

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

- ❖ F. Dashti, R.P. Dhakal, and S. Pampanin (2017), "Numerical Modeling of Rectangular Reinforced Concrete Structural Walls", Journal of Structural Engineering, Vol.143, No. 6, ISSN 0733-9445.
- ❖ V. Kardoutsou, I. Taflampas and I.N. Psycharis (2017), "A New Pulse Indicator for the Classification of Ground Motions", Bulletin of the Seismological Society of America, Vo. 107, No. 3, June.