

QUAKE BULLETIN

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EARTHQUAKE EVENTS:

This database will give the information about the earthquakes that occurred worldwide and India wide from September 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
04-09-2017	8:07:34	57.74 S	25.61 W	25	6.1	150km SE of Visokoi Island, South Georgia and the South Sandwich Islands
07-09-2017	17:26:49	27.78 N	139.80 E	451	6.1	250km WNW of Chichi-shima, Japan
08-09-2017	4:49:20	15.04 N	93.91 W	56.67	8.1	100km SSW of Tres Picos, Mexico
19-09-2017	18:14:38	18.57 N	98.48 W	51	7.1	2km NE of Ayutla, Mexico
20-09-2017	1:43:28	50.72 S	162.61 E	19.83	6.1	248km W of Auckland Island, New Zealand
20-09-2017	16:37:16	37.98 N	144.66 E	11	6.1	280km ESE of Kamaishi, Japan
20-09-2017	20:09:50	18.80 S	169.10 E	200.19	6.4	85km NNW of Isangel, Vanuatu
23-09-2017	12:53:02	16.77 N	94.95 W	9.62	6.1	15km SE of Matias Romero, Mexico
26-09-2017	4:20:01	23.71 S	176.94 W	98.07	6.4	South of the Fiji Islands

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
01-09-17	3:11:31	26.0 N	94.5 E	13	3	Zunheboto, Nagaland
02-09-17	21:04:23	24.9 N	93.9 E	26	3.4	Imphal, Manipur
03-09-17	6:52:11	9.2 N	93.0 E	10	5	Nicobar Islands
05-09-17	18:06:36	8.2 N	93.4 E	10	4.7	Nicobar Islands
06-09-17	0:10:52	10.0 N	93.6 E	10	5.2	Andaman Islands
07-09-17	14:32:00	25.2 N	90.0 E	10	4.4	India- Bangladesh, Border Region
07-09-17	11:10:19	36.9 N	71.7 E	65	5	Afganistan-Tajikistan Border Region
09-09-17	14:18:59	27.9 N	96.3 E	10	3.2	Lohit, Arunachal Pradesh
11-09-17	16:44:50	11.0 N	94.1 E	10	4.3	Andaman Islands Region
14-09-17	3:40:34	24.4 N	93.9 E	40	3.2	Thoubal, Manipur
15-09-17	22:37:44	12.2 N	93.1 E	10	4.5	Andaman and Nicobar Islands Region
17-09-17	14:48:23	13.6 N	91.8 E	10	4.4	Andaman Islands.

21-09-17	8:08:54	28.5 N	76.7 E	18	2.2	Jhajjar, Haryana
21-09-17	22:35:56	24.3 N	93.6 E	38	3.1	Churachandpur, Manipur
21-09-17	16:34:36	25.0 N	94.6 E	74	4	Ukhrul, Manipur
21-09-17	8:08:54	25.5 N	76.7 E	18	2.2	Jhajjar, Haryana
23-09-17	0:14:13	34.0 N	74.7 E	150	4.5	Jammu and Kashmir.
24-09-17	11:06:50	32.8 N	76.2 E	5	3.6	Distt. Chamba, Himachal Pradesh.
24-09-17	8:37:14	24.7 N	94.4 E	75	3	Ukhrul, Manipur
25-09-17	10:42:38	24.4 N	94.1 E	10	3.3	Chandel- Manipur
27-09-17	12:18:21	26.5 N	92.8 E	31	3	Nagaon, Assam
28-09-17	23:27:19	23.7 N	92.9 E	17	3.3	Aizawl, Mizoram

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	Bahadurgarh	5 March 2012	Baraut	✓	✓	✓
			Delhi College of Engineering	✓	✓	✓
			Delhi Jal Board	✓	✓	✓
			Delhi University	✓	✓	✓
			Gurgaon	✓	✓	✓
			Inderprastha University	✓	✓	✓
			Kaithal	✓	✓	✓
			Kalkaji	✓	✓	✓
			Noida	✓	✓	✓
			Palwal	✓	✓	✓
			Raja Garden	✓	✓	✓
			Roorkee	✓	✓	✓
Sonipat	✓	✓	✓			

EERC LIBRARY:

Publications:

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

- ❖ Chia-Ming Uang and Vitelmo V. Bertero (1990), "Evaluation of seismic energy in structures", Earthquake Engineering Structural Dynamics, Vol. 19(1), pp 77-90, January 1990.
- ❖ M. T. R. Jayasinghe and W. M. V. P. K. Jayasena (2004), "Effects of Axial Shortening of Columns on Design and Construction of Tall Reinforced Concrete Buildings", Practice Periodical on Structural Design and Construction, Vol. 9, Issue 2, pp 70-78, May 2004.