

QUAKE BULLETIN

Monthly Bulletin

Vol.6 No.2 February 2017

Editor: Ramancharla Pradeep Kumar

Associate Editors: Pulkit Velani
PVS Neelima

EARTHQUAKE EVENTS:

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

Worldwide:

(Source: <http://earthquake.usgs.gov/earthquakes/>)

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
02-01-17	13:14:02	23.25 S	179.24 E	551.62	6.3	South of the Fiji Islands
03-01-17	21:52:31	19.37 S	176.05 E	12.00	6.9	226km SW of Nadi, Fiji
03-01-17	22:40:13	19.12 S	176.19 E	10.00	6.0	195km SW of Nadi, Fiji
08-01-17	23:47:14	74.39 N	92.43 W	31.00	6.0	79km ESE of Resolute, Canada
10-01-17	06:13:48	4.48 N	122.62 E	627.17	7.3	189km SSE of Tabiauan, Philippines
10-01-17	15:27:15	10.11 S	161.03 E	26.00	6.3	104km WNW of Kirakira, Solomon Islands
19-01-17	23:04:21	10.35 S	161.34 E	36.00	6.5	65km W of Kirakira, Solomon Islands
22-01-17	04:30:23	6.24 S	155.17 E	135.00	7.9	35km WNW of Panguna, Papua New Guinea

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
03-01-17	0:19:51	23.4 N	94.0 E	10	5.4	Myanmar-India Border
03-01-17	14:39:03	24.1 N	91.9 E	28	5.7	District. Dhalai, Tripura
04-01-17	19:10:32	24.0 N	92.0 E	15	3.4	Dhalai, Tripura
05-01-17	11:26:52	25.1 N	95.0 E	123	4.3	Myanmar - India (Manipur) Border Region
06-01-17	20:33:52	24.1 N	91.9 E	55	3.9	Dhalai, Tripura
08-01-17	9:58:16	25.2 N	94.4 E	20	3.3	Distt. Ukhrul, Manipur
10-01-17	20:57:41	30.3 N	79.4 E	5	3.2	Distt. Chamoli , Uttarakhand
11-01-17	18:51:14	28.3 N	94.1 E	10	3.3	Distt. Upper subansiri, Arunachal Pradesh
12-01-17	15:02:07	26.5 N	95.4 E	75	4.7	Myanmar - India (Nagaland) border region

17-01-17	20:52:16	27.6 N	88.6 E	10	3.6	North Sikkim
18-01-17	8:33:17	24.5 N	94.8 E	22	4.2	Myanmar - India Border Region
18-01-17	7:16:10	23.9 N	93.0 E	27	3.7	Aizawl, Mizoram.
23-01-17	15:03:05	30.8 N	78.2 E	10	3.5	Distt. Uttarakashi, Uttarakhand
24-01-17	17:55:38	25.6 N	91.7 E	15	3.4	West Khasi Hills, Meghalaya .
27-01-17	13:10:55	36.4 N	71.5 E	10	5.2	Hindu Kush Region, Afghanistan
29-01-17	14:39:04	24.8 N	92.8 E	10	3.2	Cachar ,Assam
31-01-17	10:58:42	26.4 N	93.5 E	22	3.2	Karbi Anglong ,Assam
03-01-17	0:19:51	23.4 N	94.0 E	10	5.4	Myanmar-India Border

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	India Nepal Border	4 May 2011	Munsiari	✓	✓	✓
2	Barkot	13 May 2011	Barkot	✓	✓	✓

EERC LIBRARY:

Publications:

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

- ❖ S. Pulikanti and P. K. Ramancharla (2017), "State of Stress of a SFSI System of Pile Supported Frame Structure - Linear and Nonlinear Analysis", Proceedings of 16th World Conference on Earthquake Engineering (16 WCEE), January 9-13 2017, Santiago, Chile.
- ❖ A. Dongre and P. K. Ramancharla (2017), "Effect of Openings and Aspect Ratio on Overall Performance of RC Framed Brick Infilled Building", Proceedings of 16th World Conference on Earthquake Engineering (16 WCEE), January 9-13 2017, Santiago, Chile.
- ❖ S. S. Goud and P. K. Ramancharla (2017), "Design Amplification Factor for Open Ground Storey RC Structure with Infill Openings in Upper Storeys", Proceedings of 16th World Conference on Earthquake Engineering (16 WCEE), January 9-13 2017, Santiago, Chile.
- ❖ A. Bhalkikar and P. K. Ramancharla (2017), "Defining Vulnerability Score Modifiers for Parameters that Affect Rapid Visual Survey Score: A Numerical Study", Proceedings of 16th World Conference on Earthquake Engineering (16 WCEE), January 9-13 2017, Santiago, Chile.

- ❖ N. Patnala, R. Chenna, P. K. Ramancharla and S. Davuluri (2017), "Determination of Geophysical Parameters of Himalayan Region", Proceedings of 16th World Conference on Earthquake Engineering (16 WCEE), January 9-13 2017, Santiago, Chile.
- ❖ P. D. Velani and P. K. Ramancharla (2017), "New Empirical Formula for Fundamental Period of Tall Buildings in India by Ambient Vibration Test", Proceedings of 16th World Conference on Earthquake Engineering (16 WCEE), January 9-13 2017, Santiago, Chile.
- ❖ A. Pandey, R. Chenna and P. K. Ramancharla (2017), "Web Application for Generation of Shake Map: A Case Study on Vijayawada City, India", Proceedings of 16th World Conference on Earthquake Engineering (16 WCEE), January 9-13 2017, Santiago, Chile.
- ❖ A. Agarwal, A. Bhalkikar and P. K. Ramancharla (2017), "Web Application for Vulnerability Assessment", Proceedings of 16th World Conference on Earthquake Engineering (16 WCEE), January 9-13 2017, Santiago, Chile.