

# QUAKE BULLETIN

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## EARTHQUAKE EVENTS:

This database will give the information about the earthquakes that occurred worldwide and India wide from April 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
03/04/2017	17:40:18	22.68 S	25.16 E	29	6.5	132km WSW of Moijabana, Botswana
05/04/2017	06:09:12	35.79 N	60.44 E	13	6.1	63km NNW of Torbat-e Jam, Iran
15/04/2017	08:19:43	23.27 S	67.77 W	155	6.2	60km SE of San Pedro de Atacama, Chile
18/04/2017	17:11:47	18.08 S	178.37 W	628	6.0	286km N of Ndoi Island, Fiji
24/04/2017	21:38:26	33.07 S	72.05 W	25	6.9	39km W of Valparaiso, Chile
28/04/2017	20:23:17	5.52 N	125.09 E	26	6.9	28km SW of Burias, Philippines

### India wide:

(Source: Indian Meteorological Department, IMD, [http://www.imd.gov.in/pages/earthquake\\_prelim.php](http://www.imd.gov.in/pages/earthquake_prelim.php))

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
28/04/2017	20:23:15	5.50 N	125.00 E	10	6.8	Mindanao, Philippines
24/04/2017	21:38:28	33.00 S	71.80 W	10	6.8	Near Coast of Central Chile
18/04/2017	17:49:55	2.60 S	75.20 W	10	6.1	Peru-Ecuador Border Region
15/04/2017	8:19:12	25.50 S	66.80 W	10	6.4	Salta Province, Argentina
05/04/2017	6:09:12	35.90 N	60.40 E	10	6.1	Northern and Central Iran
03/04/2017	17:40:16	22.60 S	25.30 E	10	6.7	Botswana.

## 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	Dharchula	06 September 2011	Dharchula	✓	✓	✓
2	Delhi-Haryana (Sonipat)	07 September 2017	Acharya Narender Dev College	✓	✓	✓
			Alipur	✓	✓	✓
			DJB	✓	✓	✓
			DLU	✓	✓	✓
			Faridabad	✓	✓	✓
			Noida	✓	✓	✓

## **EERC LIBRARY:**

### **Publications:**

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

- ❖ M. Koliou, J. Lawson, A. Filiatrault and D.J. Kelly (2017), Evaluation of Out-of-Plane Wall Anchorage Force Provisions in Buildings with Rigid Walls and Flexible Roof Diaphragms", Earthquake Spectra, Vol. 33, No.1, pp. 1-23, February 2017
- ❖ C. Zhang, Q. Liu and P. Deng (2017), "Surface Motion of a Half-Space with a Semi-Cylindrical Canyon under P, SV and Rayleigh Waves", Vol. 107, No. 2, April 2017.
- ❖ H.H. Wei, I.M. Shohet, M.J. Skibniewski, S. Shapira and X. Yao (2016), "Assessing Lifecycle Sustainability Costs and Benefits of Seismic Mitigation Designs of Buildings", Journal of Architectural Engineering, ASCE, Vol. 22, No. 1, December, 2015.