

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 in the month of June 2015. The list of the earthquakes is as follows:

Worldwide:

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

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
01/06/2015	20:11:31	44.486°N	129.851°W	010.00	5.9	Off the coast of Oregon
04/06/2015	23:15:43	5.979°N	116.529°E	010.00	6.0	15km W of Ranau, Malaysia
08/06/2015	6:01:08	41.532°N	142.000°E	047.00	6.1	70km ENE of Mutsu, Japan
10/06/2015	13:52:08	22.461°S	68.434°W	124.00	6.0	51km E of Calama, Chile
12/06/2015	11:07:06	15.685°S	173.056°W	041.00	6.0	79km ENE of Hihifo, Tonga
16/06/2015	6:17:00	20.405°S	178.911°W	652.97	6.0	34km NW of Ndoi Island, Fiji
17/06/2015	12:51:33	35.362°S	17.396°W	010.00	7.0	Southern Mid-Atlantic Ridge
20/06/2015	23:39:09	23.561°S	177.100°W	157.93	5.9	South of the Fiji Islands
20/06/2015	2:10:06	36.329°S	73.817°W	010.00	6.4	76km NW of Talcahuano, Chile
21/06/2015	21:28:16	20.457°S	178.351°W	561.41	6.0	42km ENE of Ndoi Island, Fiji
23/06/2015	12:18:29	27.669°N	139.793°E	455.88	6.3	248km WNW of Chichi-shima, Japan
25/06/2015	18:45:57	32.081°S	178.136°W	010.00	6.0	101km SE of L'Esperance Rock, New Zealand
30/06/2015	3:39:28	5.452°S	151.601°E	035.00	6.0	142km SSW of Kokopo, papu New Guinea

India wide:

(Source: Indian Meteorological Department, IMD,
<http://www.imd.gov.in/section/seismo/dynamic/CMONTH.HTM>)

Date	Time (UTC)	Lat	Long	Depth (km)	Mw	Location
02/06/2015	20:33:07	29.8°N	81.8°E	10	4.0	NEPAL
02/06/2015	22:09:08	25.8°N	89.9°E	10	3.9	DISTRICT - DHUBURI (ASSAM)
03/06/2015	7:52:37	27.6°N	85.6°E	10	3.8	NEPAL
03/06/2015	11:28:23	30.5°N	79.3°E	10	4.0	CHAMOLI, UTTARAKHAND
03/06/2015	11:53:32	27.7°N	86.2°E	10	3.8	NEPAL
04/06/2015	13:43:32	27.5°N	92.9°E	10	3.2	EAST KAMENG, ARUNACHAL

						PRADESH
07/06/2015	5:17:41	27.6°N	85.9°E	10	3.5	NEPAL
11/06/2015	4:17:46	27.5°N	85.7°E	10	4.0	NEPAL
11/06/2015	16:12:17	27.9°N	85.7°E	10	4.7	NEPAL-TIBET BORDER REGION
11/06/2015	19:37:06	28.3°N	84.8°E	10	4.0	NEPAL
12/06/2015	4:34:07	27.8°N	86.1°E	10	3.8	NEPAL
12/06/2015	18:29:31	14.1°N	93.5°E	38	5.2	ANDAMAN ISLANDS,INDIA REGION
13/06/2015	1:18:29	27.6°N	86.0°E	10	4.6	NEPAL
14/06/2015	7:47:52	27.5°N	86.0°E	10	4.0	NEPAL
17/06/2015	0:13:19	27.6°N	85.2°E	10	3.6	NEPAL
17/06/2015	0:30:01	27.7°N	85.3°E	10	4.1	NEPAL
17/06/2015	2:15:16	28.1°N	85.6°E	10	4.4	NEPAL-CHINA BORDER REGION
18/06/2015	14:36:07	22.8°N	92.2°E	33	3.8	INDIA(MIZORAM)- BANGLADESH BORDER
20/06/2015	12:23:04	28.5°N	82.7°E	10	4.2	NEPAL
23/06/2015	20:33:21	30.4°N	78.3°E	10	3.2	TEHRI GARHWAL,UTTARAKHAND
27/06/2015	6:04:26	29.9°N	80.3°E	10	3.0	PITHORAGARH , UTTARAKHAND
28/06/2015	1:05:25	26.5°N	90.1°E	10	5.6	KOKRAJHAR, ASSAM
28/06/2015	23:57:14	27.6°N	86.1°E	10	4.6	NEPAL
29/06/2015	17:27:09	26.7°N	95.0°E	10	3.5	MON, NAGALAND
29/06/2015	22:07:46	36.6°N	71.4°E	160	5.5	HINDU KUSH REGION AFGHANISTAN

GROUND MOTION RECORDS:

In our centre around 588 ground motion records are available. Since 1973 the ground motions are available with N-S, E-W and U-D components. All the available ground motions are listed.

(Source: PESMOS-IITR)

S No	Earthquake	Date	Station	Component		
				NS	EW	UD
1	Gangtok	07 Nov 2009	Gangtok	✓	✓	✓
2	Gangtok_1	07 Nov 2009	Gangtok	✓	✓	✓
3	Rampur	10 Nov 2009	Rampur	✓	✓	✓
4	Guwahati	16 Nov 2009	Guwahati	✓	✓	✓

EERC LIBRARY:

Publications:

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

- ❖ K. Beyer, M. Tondlli, S. Petry & S. Peloso, (2015) "Dynamic testing of a four-storey building with reinforced concrete and unreinforced masonry walls: prediction, test results and data set", Bulletin of Earthquake Engineering, DOI: 10.1007/s10518-015-9752-z.
- ❖ N. M. Kuehn & F. Scherbaum, (2015) "Ground-motion predication model building: a multilevel approach", Bulletin of Earthquake Engineering, DOI: 10.1007/s10518-015-9732-3.

- ❖ P. J. Wilkinson & O. Lavan, (2015) "Practical Modal Pushover Design of one-way asymmetric-plan reinforced concrete wall buildings for unidirectional ground motion", Bulletin of Earthquake Engineering, DOI: 10.1007/s10518-015-9745-y
- ❖ S. D. Fotopoulou & K. D. Pitilakis, (2015) "Predictive relationships for seismically induced slope displacements using numerical analysis results", Bulletin of Earthquake Engineering, DOI: 10.1007/s10518-015-9768-4
- ❖ Robin Spence, (2015) "The full-scale laboratory: the practice of post-earthquake reconnaissance missions and their contribution to earthquake engineering *The third Nicholas Ambrasevs Lecture*", Bulletin of Earthquake Engineering, DOI: 10.1007/s10518-015-9751-0

Reports:

The following reports are very useful for research

- ❖ Makris, N. and Black, C. J. (2001), "Rocking response of equipment anchored to a base foundation", PEER Report 2001/14, Pacific Earthquake Engineering Research Centre, College of Engineering, Univ. of California, Berkeley.

Latest Earthquake Recorded:

The following Ground motion was recorded at CDG00 station.

