

Preliminary report of Nepal Earthquake 2015-04-25

Moment magnitude: M7.8 (Revised)

Epicenter: 28.143, 84.7079

Local Time: 11:56 (GMT+5:45)

Fatalities: More than 1500, It will rise as data collection is in progress

Series of Aftershocks: 33 recorded till now

Structural Damages:

Near by the Epicenter most of the houses are of stone masonry, some of RCC framed and few of brick Masonry. As reported and shared in social media and news from Nepal, Most of the stone masonry houses collapsed in about 100 Km from Epicenter.

In Kathmandu valley most of the world heritage site's structures got down. Many monumental structures flattened. Dharahara (9 stories tower) suffered from 1934 earthquake with collapse at 5th stories now collapsed from first floor. Many RC framed structures got collapsed in Kathmandu valley, death toll may rise more in Kathmandu and rest of the country.

Many villages in Lamjung, Gorkha, Rasuwa and Dhading districts got collapsed where most of the structures are of stone masonry with mud mortar structures.

List of Earthquake Main shock and After shocks (USGS)

Date	Time NST	Latitude	Longitude	Depth	Mag	MagType
4/25/2015	11:56 AM	28.1473	84.7079	15	7.8	mww
4/25/2015	12:22 PM	27.7239	85.8182	9.85	5.1	mb
4/25/2015	12:30 PM	28.1927	84.8645	14.62	6.6	mb
4/25/2015	12:41 PM	27.91	85.6501	10	5.5	mb
4/25/2015	12:52 PM	27.7278	85.9185	10	5	mb
4/25/2015	12:58 PM	27.5458	85.5502	10	4.8	mb
4/25/2015	1:01 PM	28.002	85.2694	10	4.8	mb
4/25/2015	1:24 PM	27.6659	85.7483	10	4.5	mb
4/25/2015	1:32 PM	27.8549	85.5572	10	5	mb
4/25/2015	1:50 PM	27.7307	85.7304	10	4.6	mb
4/25/2015	2:01 PM	27.6733	85.6878	10	4.9	mb
4/25/2015	2:05 PM	27.9528	85.7219	10	4.7	mb
4/25/2015	2:14 PM	27.9903	84.7097	10	5	mb
4/25/2015	2:40 PM	27.6364	85.5029	10	5.3	mb
4/25/2015	2:48 PM	27.8741	85.3069	10	4.9	mb
4/25/2015	3:02 PM	28.4282	87.3382	10	5.7	mb
4/25/2015	3:15 PM	27.9938	85.437	10	5	mb
4/25/2015	4:08 PM	27.8732	85.762	10	4.2	mb
4/25/2015	4:25 PM	27.5667	85.8384	10	4.8	mb
4/25/2015	4:38 PM	27.7719	85.8701	10	4.4	mb
4/25/2015	5:46 PM	28.0438	85.4854	10	4.2	mb
4/25/2015	6:02 PM	28.0049	85.5638	10	4.5	mb
4/25/2015	6:29 PM	28.1513	84.6587	10	5.2	mb
4/25/2015	7:15 PM	28.1078	85.0726	10	4.6	mb
4/25/2015	7:21 PM	27.7476	85.89	10	4.6	mb
4/25/2015	7:55 PM	27.5843	85.6622	10	4.6	mb
4/25/2015	10:12 PM	27.9087	85.6175	10	4.9	mb
4/25/2015	11:27 PM	28.3064	85.81	3.23	5.4	mb
4/26/2015	12:43 AM	27.6798	85.3443	10	4.1	mb
4/26/2015	2:17 AM	27.5632	85.7583	10	4.4	mb
4/26/2015	2:52 AM	27.732	85.7266	10	4.7	mb
4/26/2015	5:01 AM	27.8052	84.8744	10	5.6	mb
4/26/2015	5:26 AM	27.5598	85.9359	10	4.5	mb

Photos

Here I collect some representative snaps from social media.



Figure 1 Dharahara Collapsed



Figure 4 School building (Masonry)



Figure 2 Basantapur Durbar Square



Figure 5 School building recently built (RC Framed)



Figure 3 RC framed structure collapsed



Figure 6 RC framed structure collapse in Kathmandu



Figure 7 Several Photos



Figure 8 Stone masonry buildings collapsed in Gorkha about 90% collapsed



Figure 9 RC framed collapse in Kathmandu

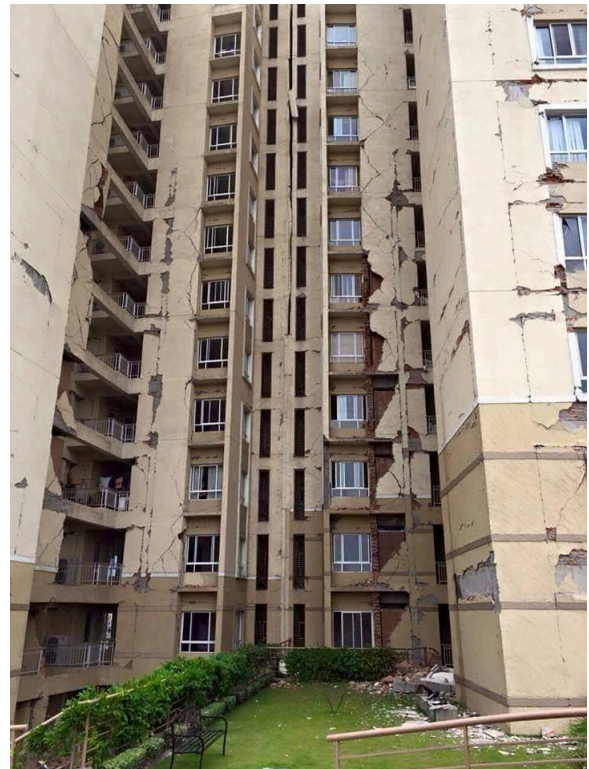


Figure 10 Apartment building damage in Kathmandu