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Earthquake Shaking — Yellow Alert

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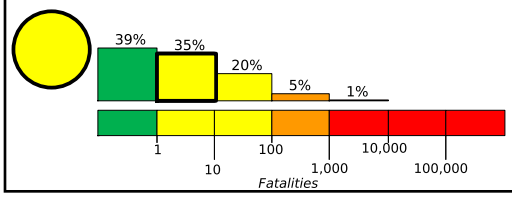
M 6.7, NEPAL

Origin Time: Sun 2015-04-26 07:09:10 UTC (12:54:10 local)
Location: 27.78°N 86.00°E Depth: 17 km

PAGER Version 3

Created: 8 hours, 24 minutes after earthquake

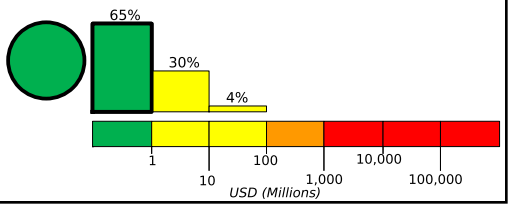
Estimated Fatalities



Yellow alert level for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert level for economic losses. There is a low likelihood of damage.

Estimated Economic Losses



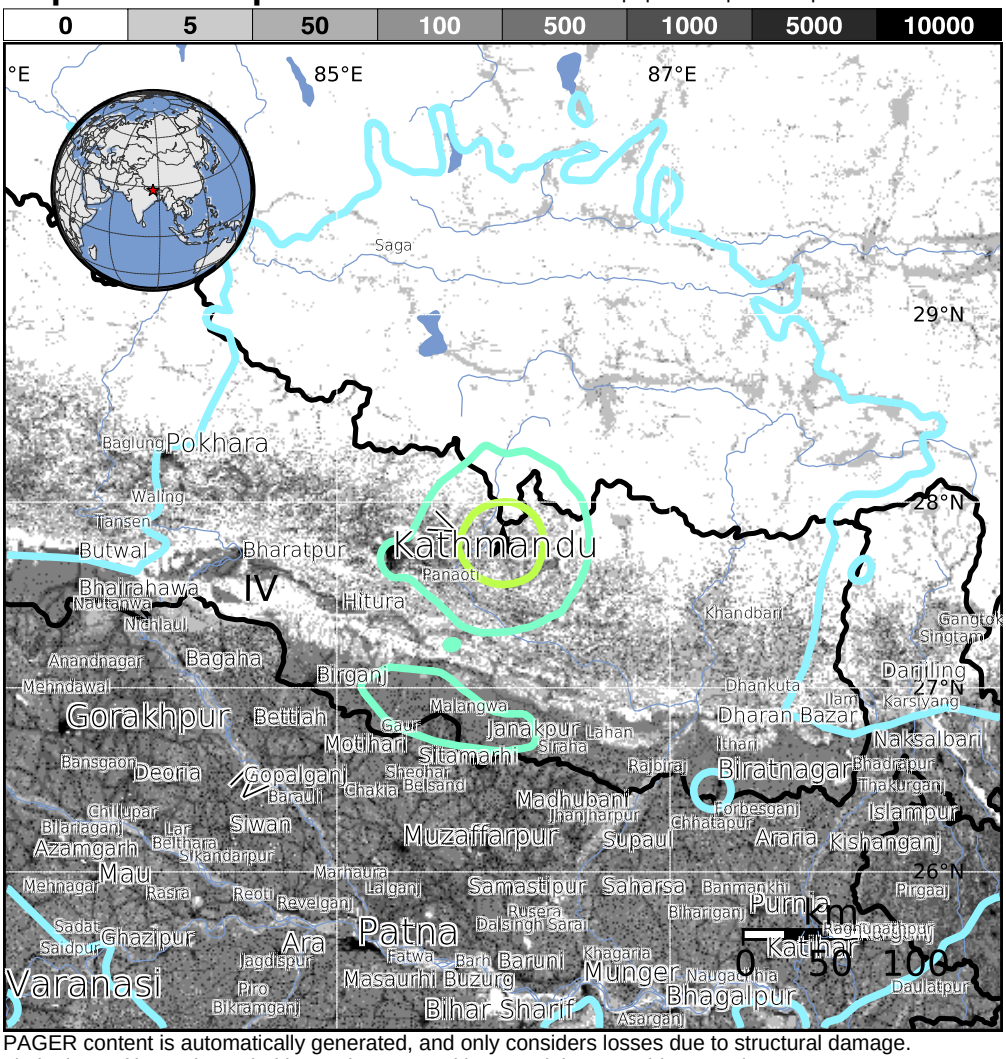
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	13,845k*	143,617k*	7,320k	265k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landscan



Structures:
Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unreinforced brick with mud and adobe block construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1998-09-03	94	5.6	VII(21)	0
1974-03-24	13	5.7	VIII(598)	0
1988-08-20	133	6.8	VIII(12k)	1k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Kodari	2k
VI	Zham	< 1k
V	Bhaktapur	< 1k
V	**Kathmandu**	**1,442k**
V	kankrabari Dovan	10k
V	Patan	183k
IV	**Patna**	**1,600k**
IV	**Varanasi**	**1,164k**
IV	**Dhankuta**	**22k**
IV	**Pokhara**	**200k**
III	**Gangtok**	**31k**

bold cities appear on map (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

http://earthquake.usgs.gov/pager

Event ID: us200029bt