

M 7.4, NEPAL

Origin Time: Tue 2015-05-12 07:05:19 UTC (12:50:19 local)

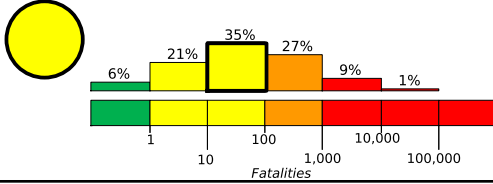
Location: 27.84°N 86.15°E Depth: 18 km

PAGER
Version 1

Created: 24 minutes, 25 seconds after earthquake

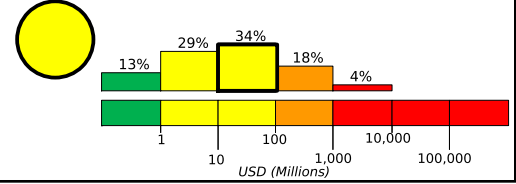
Estimated Fatalities

Yellow alert for shaking-related fatalities and economic losses. Some casualties and damage are possible and the impact should be relatively localized. Past yellow alerts have required a local or regional level response.



Estimated economic losses are less than 1% of GDP of Nepal.

Estimated Economic Losses



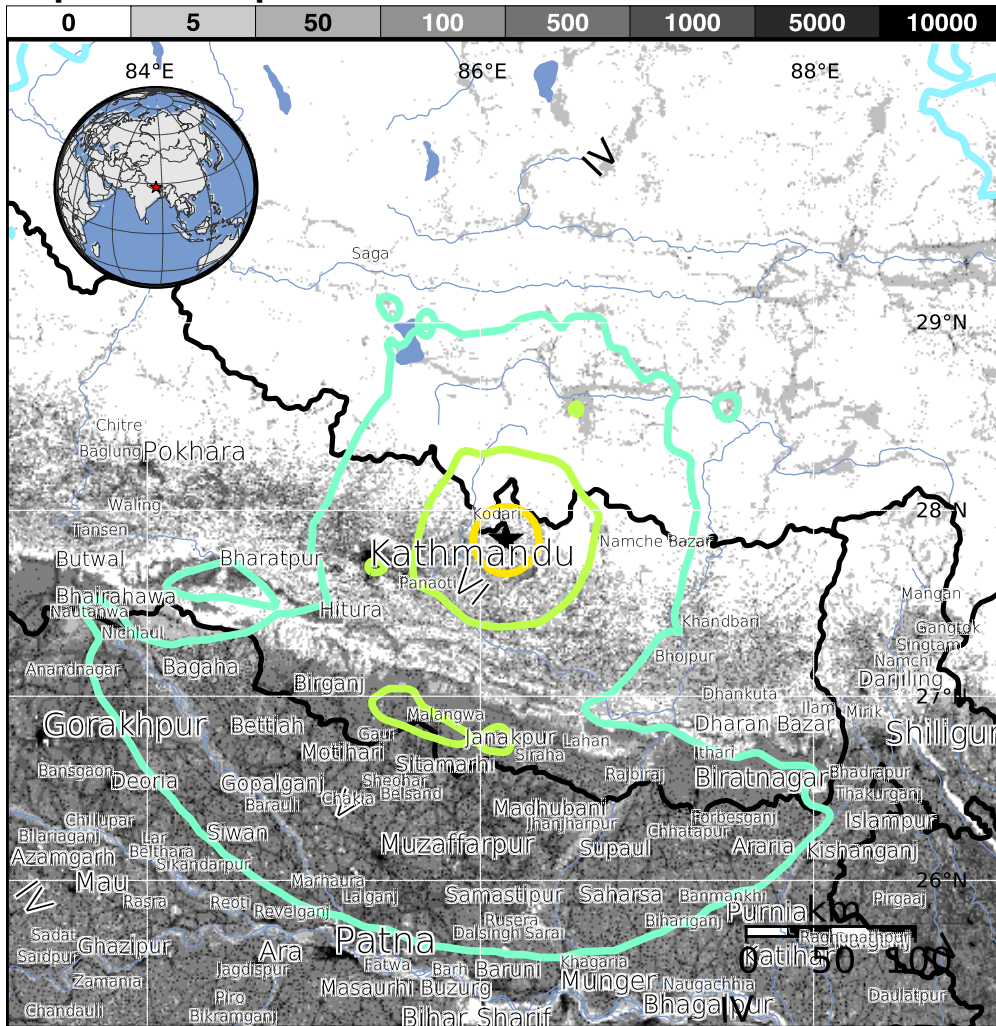
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	- -*	6k*	85,961k*	68,138k	4,598k	57k	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 Landsat



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 unknown/miscellaneous types construction.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1998-09-03	77	5.6	VII(21)	0
1974-03-24	17	5.7	VIII(598)	0
1988-08-20	131	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 Camgyai	< 1k
VI Zham	< 1k
VI Kodari	2k
VI Zuobude	< 1k
VI Chongdui	< 1k
VI Bhaktapur	< 1k
VI Kathmandu	1,442k
IV Patna	1,600k
IV Pokhara	200k
IV Dhankuta	22k
IV 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: us20002ejl