

M 5.1, NEPAL-INDIA BORDER REGION

Origin Time: Sat 2015-04-25 23:16:15 UTC (05:01:15 local)

Location: 27.80°N 84.87°E Depth: 13 km

Created: 5 weeks, 5 days after earthquake

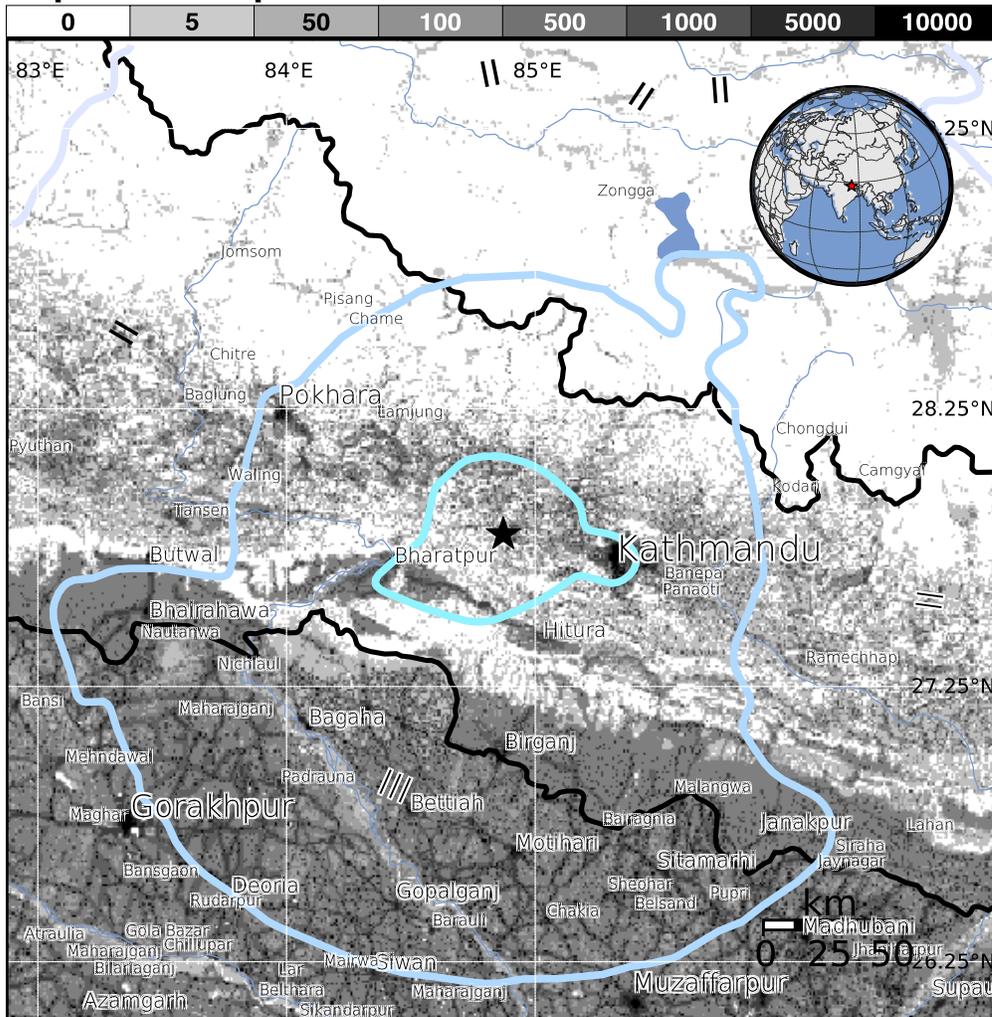


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		8k*	71,557k	3,848k	0	0	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



Structures:

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2001-07-16	31	5.0	VII(18)	0
1974-03-24	117	5.7	VIII(598)	0
1988-08-20	207	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
IV	Kathmandu	1,442k
IV	Kirtipur	45k
IV	Patan	183k
IV	Bharatpur	107k
IV	Bhaktapur	< 1k
III	Hitura	85k
III	Birganj	133k
III	Pokhara	200k
II	Muzaffarpur	333k
II	Gorakhpur	674k
II	Darbhanga	287k

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: us2000299v