

M 5.6, PAKISTAN

Origin Time: Mon 2016-03-21 14:48:51 UTC (19:48:51 local)

Location: 27.77°N 66.10°E Depth: 10 km

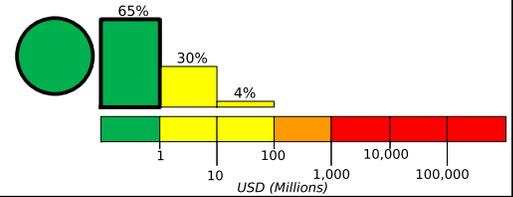
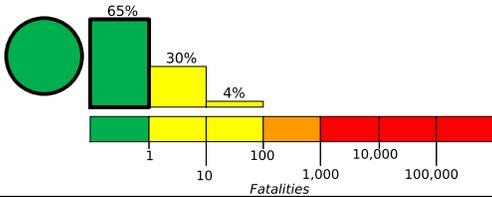
PAGER
Version 1

Created: 3 weeks, 6 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



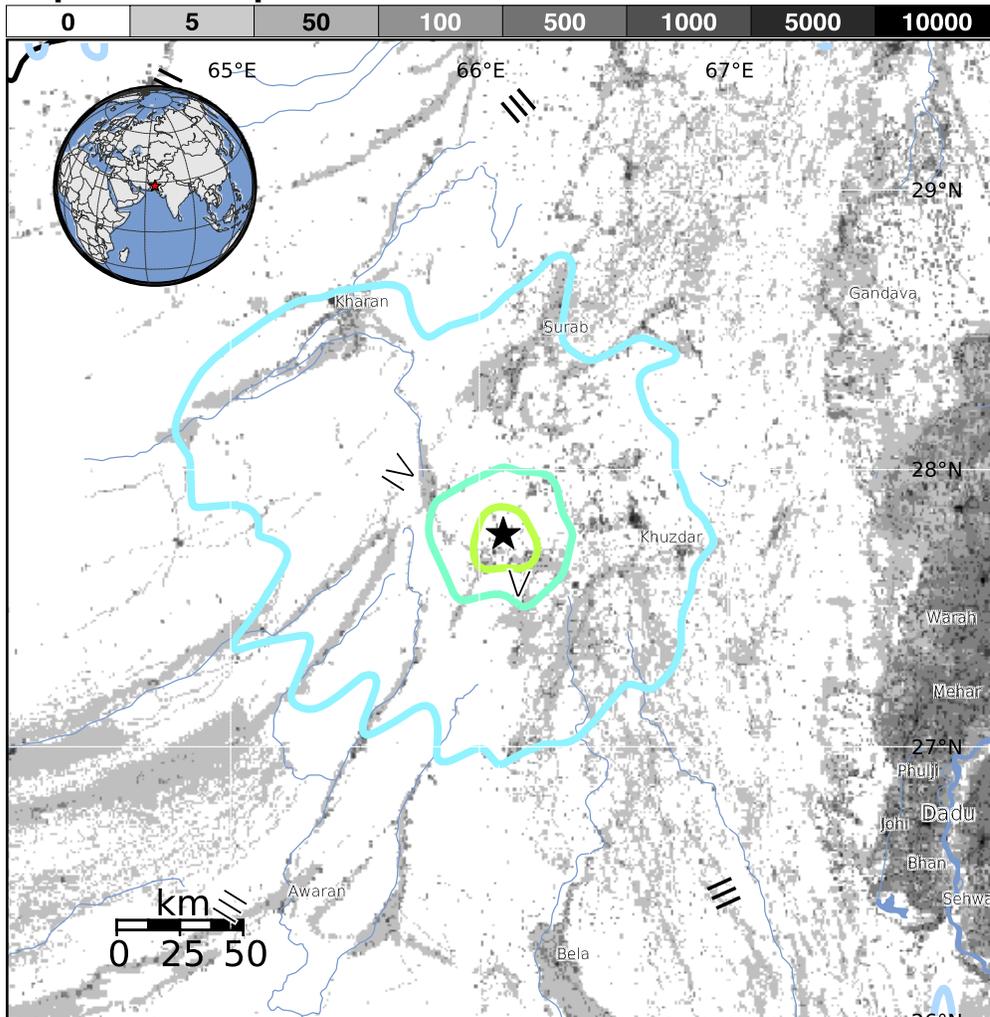
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	5,809k*	609k	33k	26k	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 Landsat



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
2006-10-09	355	4.4	VI(920)	0
2004-05-08	283	4.5	V(914k)	1
1997-02-27	316	7.1	VIII(139k)	60

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

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Khuzdar	< 1k
IV	Surab	13k
IV	Kharan	31k
III	Gandava	< 1k
III	Warah	19k
III	Chowki Jamali	2k
III	Shahdadkot	75k
III	Kambar	77k
III	Usta Muhammad	44k
III	Dadu	140k
III	Moro	77k

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/earthquakes/eventpage/us20005bft

Event ID: us20005bft