

# M 5.6, PAKISTAN

Origin Time: Fri 2015-10-23 00:27:39 UTC (05:27:39 local)

Location: 29.64°N 70.34°E Depth: 11 km

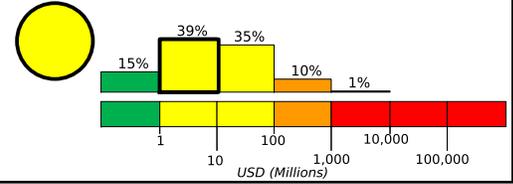
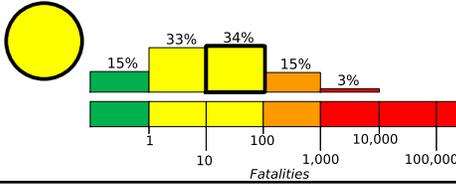
Created: 2 weeks, 2 days after earthquake

## 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

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

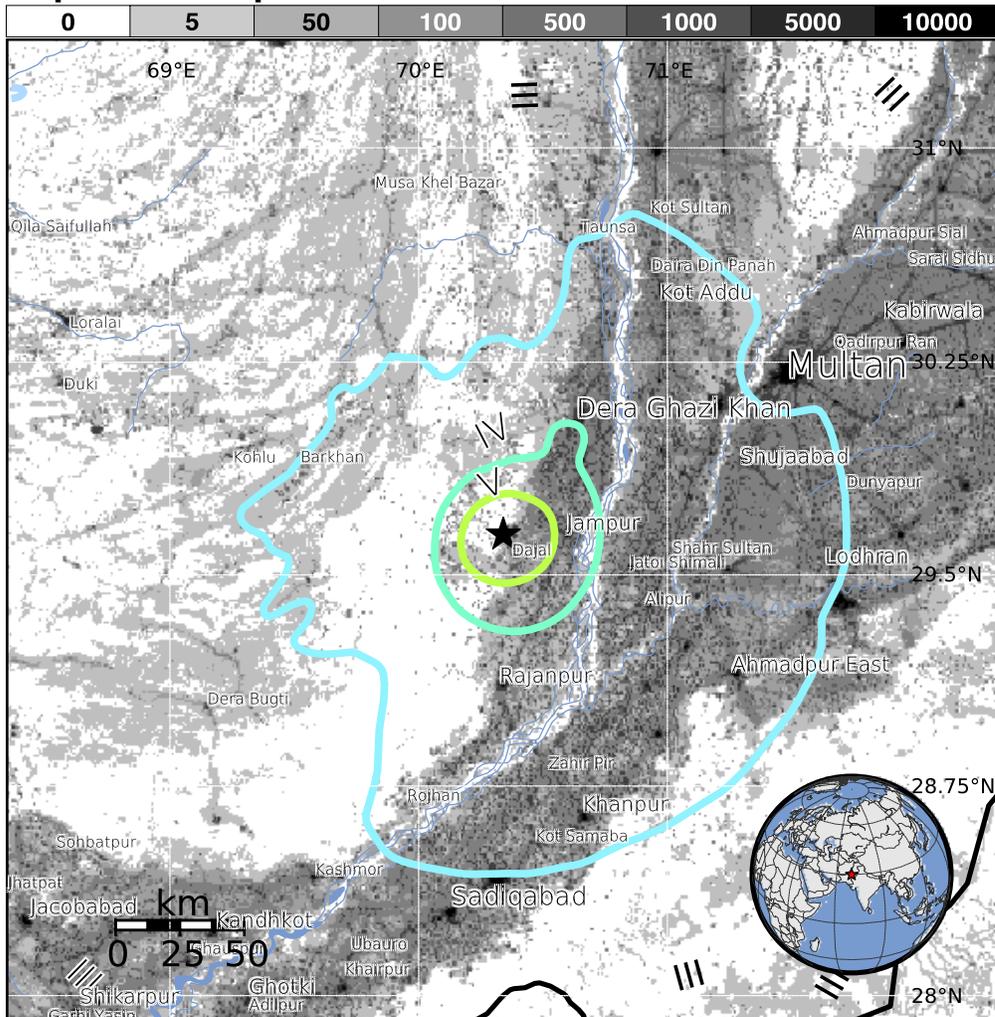


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	20,400k*	13,015k	1,223k	192k	22k	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
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	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. The predominant vulnerable building types are rubble/field stone masonry and unreinforced brick masonry construction.

### Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-11-16	326	5.6	VII(29k)	0
1990-03-04	394	6.0	IX(156)	11
1997-02-27	210	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
<b>VI Dajal</b>	<b>18k</b>
<b>V Jampur</b>	<b>64k</b>
<b>IV Dera Ghazi Khan</b>	<b>236k</b>
<b>IV Jatoi Shimali</b>	<b>47k</b>
<b>IV Rajanpur</b>	<b>51k</b>
<b>IV Alipur</b>	<b>34k</b>
III Bahawalpur	553k
III Sadiqabad	190k
III Jacobabad	171k
III Multan	1,437k
III Jhang Sadr	341k

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: us10003qv5