M 6.8, MYANMAR

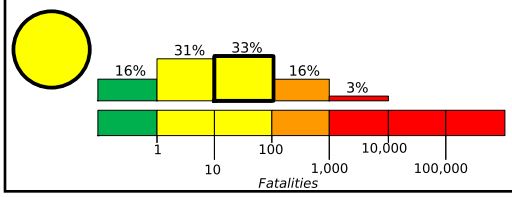
Origin Time: Wed 2016-08-24 10:34:54 UTC (16:34:54 local)
Location: 20.92°N 94.57°E Depth: 82 km

Earthquake Shaking **Yellow Alert**

PAGER Version 4

Created: 5 weeks, 6 days after earthquake

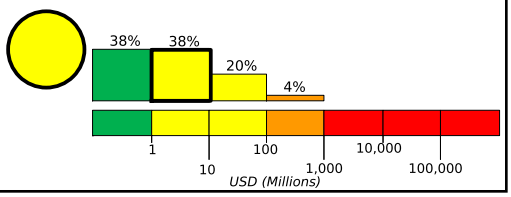
Estimated Fatalities



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 are less than 1% of GDP of Myanmar.

Estimated Economic Losses



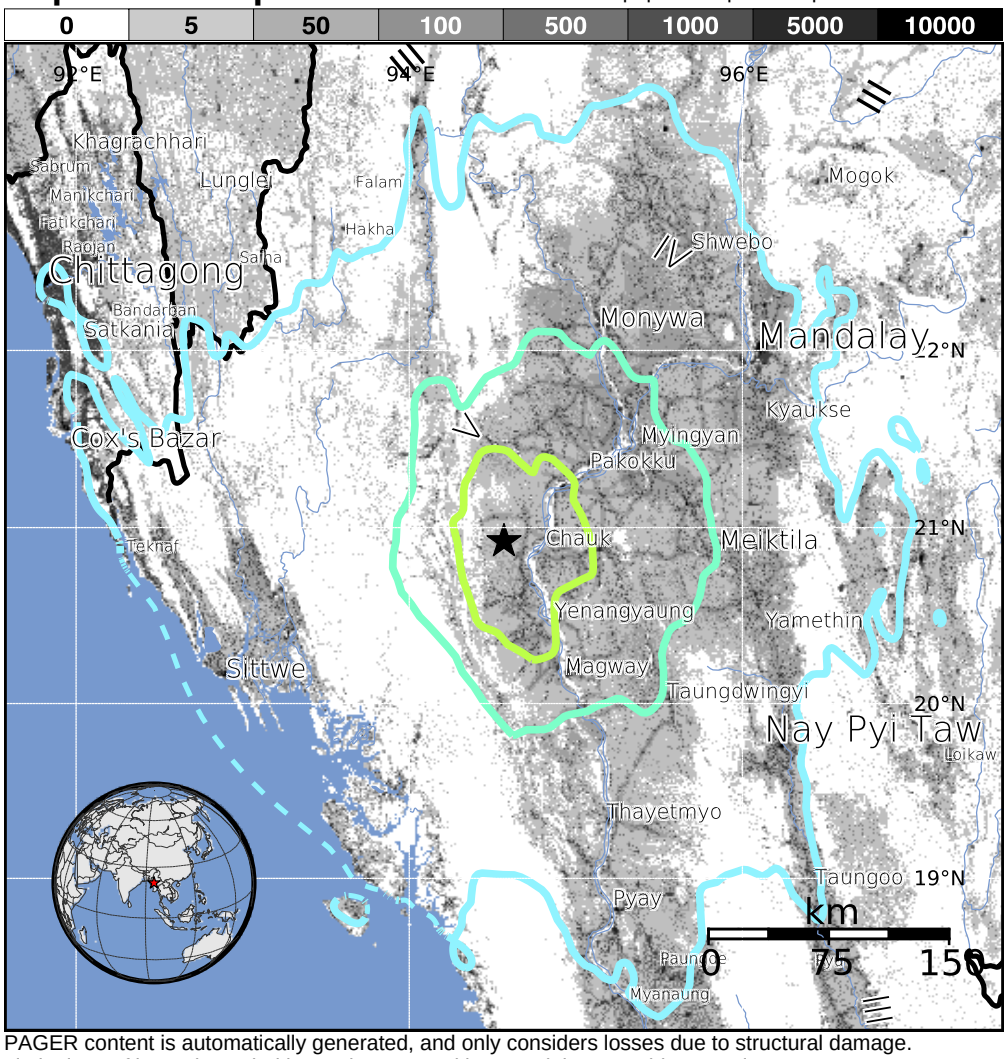
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- -*	11,076k*	23,981k	5,256k	1,520k	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.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-11-13	195	5.4	VII(2k)	0
1975-07-08	59	6.5	VI(352k)	1
1991-01-05	323	6.9	IX(28k)	2

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
VI	**Chauk**	**91k**
V	**Yenangyaung**	**111k**
V	**Pakokku**	**127k**
V	Minbu	57k
V	**Magway**	**97k**
V	**Myingyan**	**142k**
IV	**Nay Pyi Taw**	**925k**
IV	**Mandalay**	**1,208k**
IV	**Sittwe**	**178k**
IV	**Chittagong**	**3,920k**
III	Taunggyi	160k

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/us10006gbf

Event ID: us10006gbf