USGS
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Earthquake Shaking — **Green Alert**
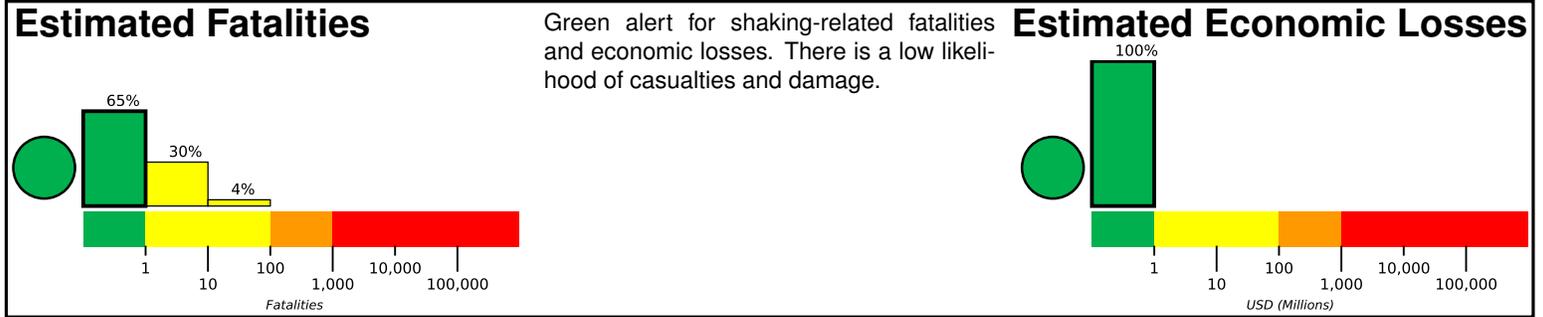
GSN · USAID FROM THE AMERICAN PEOPLE · ANSS

M 5.5, 103km SE of Bandar Bushehr, Iran

Origin Time: 2018-04-19 06:34:46 UTC (Thu 11:04:46 local)
Location: 28.3291° N 51.6106° E Depth: 10.0 km

PAGER
Version 4

Created: 5 weeks, 6 days after earthquake

Estimated Fatalities

65%
30%
4%

1   10   100   1,000   10,000   100,000
Fatalities

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

Estimated Economic Losses

100%

1   10   100   1,000   10,000   100,000
USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	28,423k	293k	8k	13k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

0	5	50	100	500	1000	5000	10000
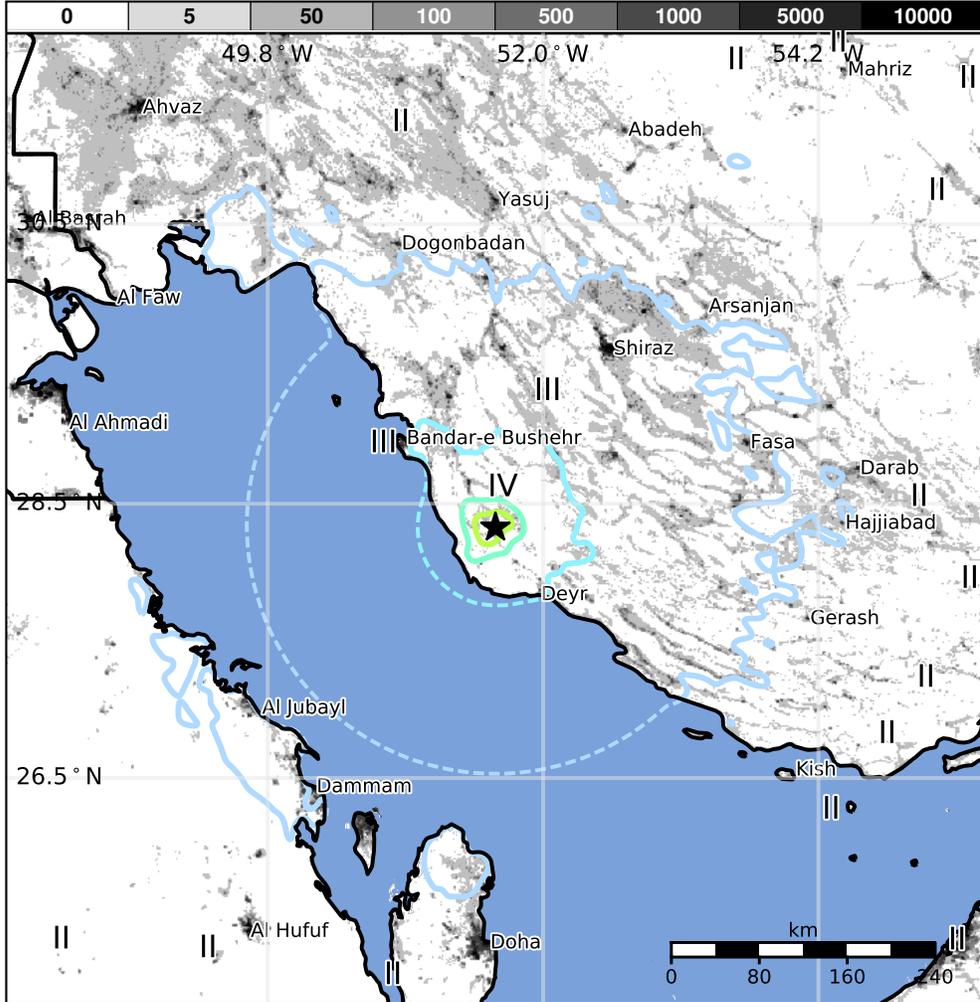
Structures

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 adobe block and unreinforced brick with mud and timber post construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-05-06	128	6.2	VI(1k)	26
1986-07-12	175	5.7	VII(22k)	1
1972-04-10	115	6.9	IX(4k)	5k

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	Khowrmuj	<1k
IV	Ahram	<1k
IV	**Deyr**	**<1k**
IV	Kangan	<1k
III	Jam	<1k
III	Farashband	<1k
III	**Shiraz**	**1,250k**
III	**Dammam**	**769k**
II	**Ahvaz**	**841k**
II	Basrah	2,600k
II	Dubai	1,137k

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.
https://earthquake.usgs.gov/earthquakes/eventpage/us1000dngn#pager

Event ID: us1000dngn