

# EARTHQUAKE HITS NEPAL

Cause Map

## More than 4,600 people killed

A magnitude 7.8 earthquake hit Nepal on April 25, 2015. The same forces that created the Himalayan Mountains are still at work in the region as the Indo-Australian Plate slowly slides under the Eurasian Plate and experts have long warned about the potential for an earthquake in this location. At least 4,600 people were killed as a result of the earthquake and the United Nations has stated that 8 million people have been affected. Many buildings in the impacted area were unreinforced masonry structures that couldn't withstand the force of the earthquake.

"The earthquake ruptured under the city, very close to the city, so this is as bad as our worst-case scenario, probably."

-Roger Bilham, University of Colorado geologist

"It was clearly a disaster in the making that was getting worse faster than anyone was able to make it better. You're up against a Himalayan-scale problem with Third World resources."

-Susan Hough, a geologist with the U.S. Geological Survey

### 1 Problem

<b>What</b>	Problem(s)	Magnitude 7.8 earthquake hits Nepal
<b>When</b>	Date	April 25, 2015
	Time	11:41 A.M.
	Different, unusual, unique	Region is known to be at risk for earthquakes
<b>Where</b>	Facility, site	Nepal's Kathmandu region
	Task being performed	Normal activities/ natural disaster
<b>Impact to the Goals</b>		
<b>Safety</b>		More than 4,600 people killed
<b>Environmental</b>		?
<b>Customer Service</b>		Infrastructure severely damaged
		Long waits for emergency response for some
<b>Production/ Schedule</b>		Major disruption to local economies
<b>Property/ Equipment</b>		Major property damage
<b>Labor/ Time</b>		Major emergency response effort

### 2 Analysis

