

Earth Quake

Presented by Choki Wangmo and Tshering
Zam.

- *What is meant by earthquake?*
- **Earth quake is a series of vibrations induced in the earth's crust by the abrupt rupture and rebound of rocks in which elastic strain has been slowly accumulating.**(dictionary.com unbridged.based on the random house dictionary, (c) random house,inc,2014)

One of the disaster occur in Bhutan in 2009 was earthquake(m6.0 -6.9 termed as “strong”) struck eastern Bhutan, on 21 September at 14:53 BTT (14:23 IST or 02:51 BDST). The earthquake had a magnitude of MW=6.1 and caused damage as well as casualties in the Mongar and Trashigang Dzongkhags in Bhutan.

11 people were killed as many as 18 injured by earthquake. 8 deaths directly and at least 4 members of a road workers crew were killed by a rock fall. 1100 houses were damaged in eastern Bhutan.(www.asc-india.org).

References:

- National Earthquake Information Centre(NEIC), Golden U.S.A.
- Harvard Centroid moment tensor solution (HRV),Harvard, U.S.A.
- Macroseismic information has been compiled by the ASC from reports by local media and local NGO personnel.

- In Bhutan we prepare for earthquake by doing mock drills in schools twice a month. When earthquake we are taught to go under thick object and stay there and when earthquake earth quake stop shacking, then we have to go to a open spaces where there is no object like tall trees and poles.
- We can either shout or blow a whistle so that rescued people will come and rescue you.

- In schools, teacher will blow a whistle as a sign of earthquake occurred, students will go under their table and stay there for few minutes unless again one whistle is blown.
- Then they will take a hard cover covering their heads. They will all go in an open place where there aren't tall objects. Mock drills are done twice a month in every school in Bhutan and it is very common.





bhutan.savethechildren.net





- I have done interview with one of the students in Asian University for Women (AUW) regarding preparation of earthquake.
- I asked miss A about how she used to prepare for earthquake and she told me that she used to do mock drills in her school and they were given speech by disaster management in her schools about what they should do when earthquake strikes.

- The disaster management of Bhutan also plays a major role in creating awareness by holding campaigns, pasting poster in public area and giving earthquake safety tips in school and public places. (www.bhutandisastermanagement.com.bt).
- Earthquakes affect emergency services and health care as earthquake kills n injure many people an d health and emergency services are needed.

- Disaster may occur at any time, when earthquakes strikes, people become anxious and they don't know what to do, they just stand still where by earthquake may harm them.
- In addition, when people are injured, first they need is emergency and health facilities and, due to that earth quake affects emergency and health facilities. To, avoid this, I have mentioned above statement regarding preparation.



- In brief, earthquake is a shaking of tectonic plates and moving of grounds. Earthquake is a disaster which can't be predicted and it may occur any time and anywhere. We all should be well prepared to face earthquake whenever it occurs.
- For disaster like earth quake we can't do any thing except by knowing the safety measures and preparation for it unlike other disasters.

- Thank you for watching.