

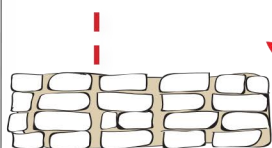
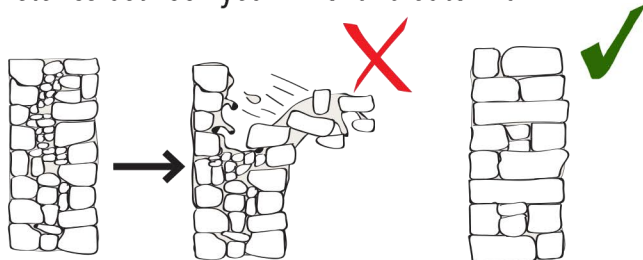


#4 : BUILD YOUR HOUSE WITH GOOD MATERIALS

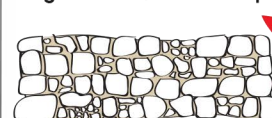
Some houses fell down because poor quality materials were used. Using good materials in the right way is essential for a strong house.

STONE USAGE

Small stones and mud between your outer and inner wall can push your walls apart in an earthquake. Instead use well stacked larger stones between your inner and outer wall.

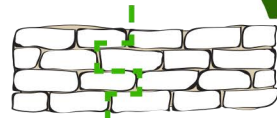


Large stones, no overlap



Small stones

The larger the stones you use and the more they overlap the better



Large stones, long overlap

STONE SELECTION

Select large rectangular stones if possible. Where you can't, shape them.



If using stones from your demolished house, clean any mortar from them.

MORTAR

Mud Mortar

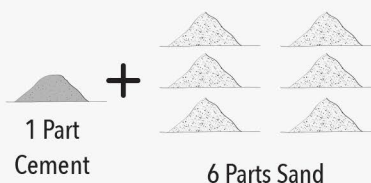


It's important to use good quality mud, free of Gravel

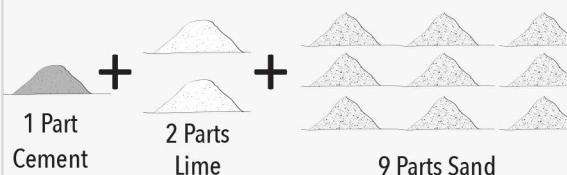
Cement Mortar Mix

Be careful!

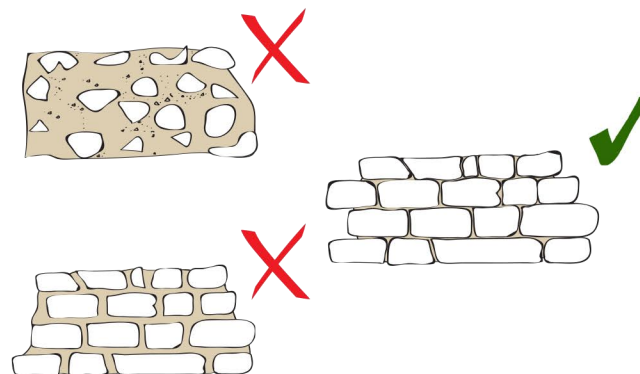
Cement mortar is not always safer if you don't know how to use it.



Cement Mortar Mix #2



Whether you use cement mortar or mud it is important to have the stones touching as much as possible. Rub the stones until they touch and minimise the gap/space between the stones as much as possible. The gap/space should be completely filled with mortar



Government of Nepal
Ministry of Urban Development
Department of Urban Development
and Building Construction



Shelter Cluster Nepal
ShelterCluster.org
Coordinating Humanitarian Shelter

KEY MESSAGE
NUMBER #4 OF 10
DRAFT- 03/NOV/2015