Off-The-Grid Easy To Build DIY Refrigerator

This evaporation cooler is actually known as a zeer pot and this system is widely used throughout Africa and the Middle East to keep food cool and prolong freshness and stop it spoiling in the heat. It is truly a tried and tested concept that works very well off-the-grid when conventional refrigeration is not available.

Zeer pots are very easy to build. You just need two of the biggest terracotta pots you can find, with one slightly smaller than the other so it can fit inside the larger pot with a couple of inches to spare. You put a few inches of sand in the larger pot, then place the smaller pot inside it and fill and pack in the sand between the two pots. You then pour water on the sand until it is saturated and that’s pretty much it. For full details of how to build your own zeer pot and use it to keep food cool, check out the link below.

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(Image from: Berkana via Instructables)