

- 1 .The outer panels are made of terracotta.
- 2 .The front side will have a copper fan will be and the back side will panel which can be opened from outside with holes to pass the air.
- 3.Side panels will have the holes of a size to pass the copper coils from one side to another side.
- 4.The lower water storage will be of 10 inch height in which 2 inch will be layered with sand and one inch with pebbles and rest with water,pebbles are used so that the water pump should not choke with sand in same way how a river has sand layer and pebbles and stones above so when we directly take water and sand doesnt come is pot or hand because of pebbles and stones.
Also we will be using a terracotta pot with tiny holes as a filter and we will keep the pump inside that pot for pump to not in get in touch with sand.
5. The pump will take the water from below tank and will push it to above tank and the copper pipe on all 4 walls with sprinkler will spray the water on coil also the below side of coil will also attached with pump to get water and throw it in above tank as the coils are in zig Zag form it will make the water cooling more effective.
- 6.The terracotta has the capacity to turn hot air into cold when wet.The sand present in down tank covered with water will also make temperature down.
- 7.The fan we are planning to add of Copper has heat exchange capacity and also have capacity to purify water.
- 8.There will be a lid with handle to cover the above tank; that tank can also help in keeping water bottle and other stuff cool if we are keeping inside..
9. It doesnt require place to exhaust hot air like plastic and iron cooler as the terracotta will absorb the hot air with its wet layers .
- 10.It doesnt require any dry grass and as there will be the layer of sand in down tank and there is no chance of water standing for mosquitoes, automatically sand will absorb it when not in use and will get dry to stop mosquitoes to breed.
- 11.Easy to clean.

