



T229

Problem Statement:

According to market surveys, middlemen take away upto a staggering 60% of the price of agricultural goods offered by consumers. Such a situation arises due to the inability of the poor farmers to wait for long after harvesting their crops.

In order to meet his commitments and pay his debt, the poor farmer is forced to sell the produce at whatever price is offered to him. Our team, T229 intend to find a non-energy intensive, cold-storage solution to tackle this problem.

Abstract for solution:

To create a cold-chain solution which is not only versatile and cost efficient but non-energy intensive too, by engineering a solid plank like material which not only insulates but simultaneously cools. This 'plank' will have several layers to it made primarily from natural low-cost materials such as clay and cooled by water mists and soil.