

Bullet Points on S.E.C.S.

1. In India price of Tomatoes' & vegetables varies drastically from week to week
2. One person in HYD gave me the prices of Tomatoes which must be verified. According to him, lowest price is Rs 6 per KG which is less than growing cost. Few days later this may go as high Rs 50 or even Rs 60/=
3. When price is too low, the small farmer discards the tomatoes and other perishables because he do not have a cold storage to store them for 2 to 3 weeks.
4. Building a Cold Storage room and trying to keep it cold @ 15 C is beyond the reach of small farmers. This needs lot of energy input to counter act Sun beating down on roof and heat conductance from high ambient atmosphere.
5. Few feet underground the temp is constant at 24 C, no matter what the outside temp is. Also no Sun beating down on cold room. If the cold room is built underground, then it makes bit easier to reduce the temp from 24 to 15 C rather than 35 / 45 to 15. Also top of this room is not wasted. At 15 C, the perishables lasts up to one month.
6. This Inventor has designed & built a high efficient D.C. Chiller which consumes less energy & gives highest cooling. Currently these are mfd by Thermal Compressor, Sdn Bhd, Malaysia. They sell these high COP Chillers for U.S. \$2,000.00. These Chillers work directly with Solar power input which is D.C.
7. The Inventor has calculated the total cost of a 9 X 9 X 9 ft Cold storage at about Rs 375,000/- (D.C. Chiller 150,000+ Construction 100,000 + Solar Panels and Batteries Rs 125,000 These are procured locally.) We have to get this project executed on turn-key basis and sold for Rs 450 K to 500 K..
8. Obviously, small farmer will not have this kind of money. We have to demonstrate and prove it to the Bank that the Farmer selling his perishable at a rate 50% of highest cost will recover RS 5 L in about 3 to 4 harvests. Tomato plant may give 2 to 3 harvests in one year. This makes Bank loan safe and for the farmer to enjoy the benefits for years to come.
9. This HYD person says that Andhra Govt gives 90% subsidy for Solar / Agri projects. Even if it true, it is not desirable the farmer to relay on this subsidy because commercially it is more viable without any subsidies.
10. Deccan Herald Jan 24, 19 Tomato prices : High Rs 80 / Kg Low Rs 8 / Kg

PLEASE READ THE ATTACHMENT AND GIVE ME YOUR OPINION