

# STEX ADVANCED DESIGN BUREAU

## COLD STORE SERVICES - with last mile Delivery/Pickup [ INDIA BASED COSTING - CASE STUDY ONLY ]

### Cold store Use cases

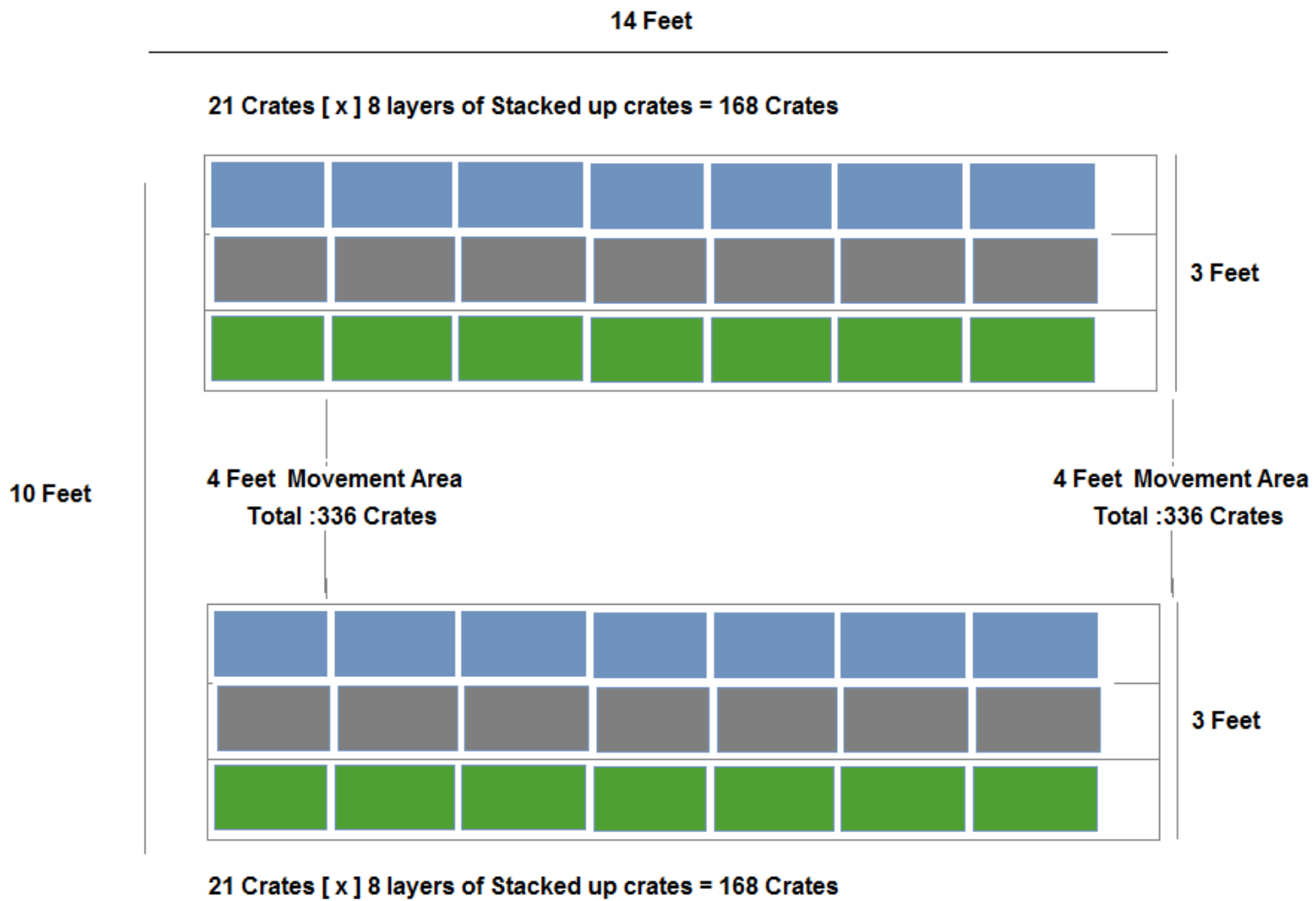
Perishable goods can be preserved.  
 Goods can be stored in the store & sold when market prices are high.  
 Bulk store for wholesalers.  
 Consumers can use it like a Public fridge.  
 [ STORE YOUR VEG/FOOD AND PICK IT UP WHEN YOU WANT ]

### Coldstore STRUCTURE [ 1 PRE-FABRICATED Container ] = 14 Feet X10 Feet x 10 Feet

column 14 x 3 = 42 x Stack 8 feet = 336 cubic feet  
 column 14 x 3 = 42 X Stack 8 feet = 336 cubic feet

Box = 2 x 1 x 1 = 336 container boxes

## Cold store - Storage Structure



## EXPENSES

**One Time : COLDSTORE SETUP EXPENSES**  
 Cold Store : 2.5L Indian Rupees

Van for Pickup and Delivery : 4 L Indian Rupees  
 Blue plastic Crates : 450 each x 400 = 1.8 L Indian Rupees

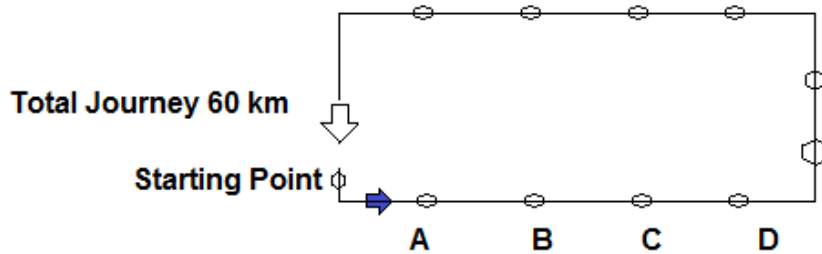
**Recurring Expenses**

**Electricity Expenses for the Cold store [ A 1.5 Kw Cooling system ]**

1.5 Unit Per Hour x 24 hours a Day = 36 Units per day = 1080 Units per month  
 @ Rs 5.0 per unit Expenses = Rs 5400 PER MONTH

**Last Mile Delivery [ To deliver the Goods stored, to the Vendor/distributor/shopkeeper ]**

60 km Journey  
 4 Liter Diesel per day = 200 Rupees Per day = Rs 6000 Per Month



Pickup/Delivery location A, B, C...

**People Salary :**

Driver 200 Rs Per day = Rs 7000 per month + 1500 bonus  
 Handler 200 Rs Per day = Rs 7000 per month + 1500 bonus

**Total expenses**

Indian Rupees : 25400

**INCOME**

**strategy 1 : storing & charging Per kg of vegetable storage**

**@ 1 Re/ per kg / Per Day Rate calculations**

- 1] 336 crates X 30 DAYS X .5 KGS veg = Rs 5040
- 2] 336 crates x 30 DAYS X 1 KGS veg = Rs 10080
- 3] 336 crates X 30 DAYS X 2 KGS veg = Rs 20160
- 4] 336 crates X 30 DAYS X 3 KGS veg = Rs 30240
- 5] 336 crates X 30 DAYS X 4 KGS veg = Rs 40320
- 6] 336 crates X 30 DAYS X 5 KGS veg = Rs 50400
- 7] 336 crates X 30 DAYS X 6 KGS veg = Rs 60480
- 8] 336 crates X 30 DAYS X 7 kGS veg = Rs 70560
- 9] 336 crates X 30 Days X 8 Kgs veg = Rs 80640

**strategy 2 : Per Crate basis**

Store as much as you want in a crate.  
 @ Rs 6/7/8 Per Crate/ Per day [ 2 feet x 1 feet x 1 feet cart ]

- 336 crates X 30 days X Rs 6 = Rs 60480
- 336 crates X 30 days X Rs 7 = Rs 70560
- 336 crates X 30 days X Rs 8 = Rs 80640

**Process Details**

- KEEP PHONE NUMBERS
- MAX 5 DAYS STORE
- TOKEN MGMT/ SLIP
- Weighing Balance
- Photograph
- Last Mile Delivery & Pickup

**Freescala**

1 or 2 Cubic Feet Containers	Weight ( Density )	Time
1 to 336 Freescala	1Kg - 8Kg Per Container	1 Day to 5 Days