

VIVID



Client Background

A prestigious cold storage in Faizabad, UP used for Fruits and Vegetables.

Problem Analysis

The Fruits and Vegetables stored in the cold storage are easily perishable items and hence need to be kept in controlled temperature. The environment exposure and the changes in the atmosphere do not allow for quick adjustment to such changes. The machines used to regulate such conditions can get very little idle time and rest thus increasing running cost. The wear and tear of the machines also increases due to higher usage. The company had two cold storage plants and both had following identical problems:

- ✿ Corrosion on Roof resulting in High Maintenance Cost
- ✿ The protective coatings used for maintenance were not long lasting and had to be redone every alternate year
- ✿ High Regulating Machine Usage and Cost
- ✿ Higher Electricity Bill

Client Profile

A prestigious Cold Storage

Client Location

Faizabad, UP

VIVID Services

- ✿ On Site Consulting
- ✿ Maintenance Assessment
- ✿ Operation Costing

VIVID Solutions

- ✿ Costing solutions
- ✿ Thermal Insulation
- ✿ Water Seepage Protection
- ✿ Weather Change Protection
- ✿ ROI recovered in Year 1
- ✿ Idle time increased
- ✿ Maintenance cost reduced

VIVID



Solution

VIVID setup an onsite task team for the two cold storage sites for problem analysis, solution recommendation and implementation. Very careful calculation of the operations running cost was done against the recommended coating and labour costs to evaluate the financial justification of recommended solution. Some of the salient points of the solution included:

- ✿ The corrosion on the Roof is cured
- ✿ Any potential water seepage is blocked to control humidity
- ✿ The idle resting time for temperature and conditions regulating machines is increased
- ✿ The coating life is now 5 years as against less than 2 years earlier



**WATER
PROOF**



**WEATHER
RESISTANT**



**ULTRAVIOLET
PROTECTION**

Results

The Return on Investment (ROI) for the Thermal Proofing is recovered within the first year of operations. The Electricity Bill has been reduced by 5%. The operation time and hence running cost of temperature controlling machines is reduced.

Client quote

“We have recovered our investment within the first year of operations and anticipate more savings as the maintenance cycle for coating has increased VIVID is a great team to work with as they understand our problems rather than dumping any solution on us...” – Managing Director.