

# VIVID



## Client Background

A national level research institute shed in Delhi used for office and storage.

## Problem Analysis

The office setup is under Industrial Sheds and the staff sits and operates from this facility. 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 institute has various sheds on the complex which are exposed to following conditions:

- ✿ Corrosion on Metal & Asbestos Roofs resulting in High Maintenance Cost
- ✿ The paints used for maintenance were not long lasting
- ✿ Repainting had to be redone every alternate year
- ✿ No reduction in temperature
- ✿ Wastage of perishable stored items
- ✿ Low productivity in summers

### Client Profile

A national research institute

### Client Location

Delhi

### VIVID Services

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

### VIVID Solutions

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

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## 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 first six months 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 been able to work in peak summers in the same space where working was impossible due to heat and we have reduced the seeds wastage significantly. We have also recovered our investment within the first six months of operations. We will make more savings as the maintenance cycle for coating has increased VIVID understood our problems & gave a real solution ...”* – Head Operations.

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