

Establishment of Multi chamber Cold Storage facility at Vijayapura with financial assistance under RKVY during 2014-15

Karnataka State Agricultural Produce Processing & Export Corporation Limited (KAPPEC) has been engaged in the creation of post harvest infrastructure facilities such as pack house, pre-cooling units, ripening chambers, cold storages for exports, refrigerated vans, commercial cold storage and warehouses in the potential locations of the State.

One such facility is the creation of cold storage of 3000 Mts. capacity at Karnataka Industrial Areas Development Board (KIADB) Industrial Area, Plot No.1, Sy. No.221, Aliabad, Vijayapura. Vijayapura and surrounding areas are known for the cultivation of fresh grapes and other horticulture produce. Currently, most of the farmers are converting fresh grapes into Raisins (Dried Grapes) and store them in the available cold storages. The capacity available in the area for storing Raisins was not commensurate with the production, thus forcing farmers to move the produce to other areas adding transportation cost OR disposing them off at the current prices.

Taking this into account, KAPPEC has established a scientific cold storage facility for storing of Raisins and other horticulture produce. This will help the farmers to store their produce in optimum atmospheric condition to retain the quality of the produce which will ultimately benefit them in the form of additional price realization.

1. Title

Establishment of Multi chamber Cold Storage facility.

2. Category

Horticulture (Marketing & Post Harvest Management).

3. Challenge

To ensure the scientific and secured cold storage facility to the farming community as well as other stakeholders in the area and to increase the shelf life of the produce and to facilitate farmers to realize better price for their produce.

OUT PUT will be the creation of state of the art cold storage facility for the benefit of farming community. A scientific place where the horticulture produces can be stored. Reduces post harvest losses. Overall development of local area.

OUT COME will be in the form of following socio economic benefits:-

- Increase in the shelf life of farmers' produce.
- Reduction in post harvest losses thereby giving additional income to farming community.
- Strengthening of stock holding capacity of farmers which will facilitate and enable them to plan their disposals based on the requirements. This results in the regulated arrivals to the market and there is very low chance of market falling down.

- Increase in exports also since the quality of the produce is ensured due to its storage in the controlled temperature conditions.
- Improvement in the economic condition of farmers since they realize better price for their produce due to improvement in quality and reduction in post harvest losses.
- Employment opportunity to local people thereby reduces the migration of population to cities and facilitates the development of local areas.
- Encouragement to ancillary units of packaging, transportation etc.

4. Initiative

KAPPEC has been in the forefront in the Government sector in the State in creating cold chain and cold storage facilities for the benefit of farmers, exporters and other stakeholders. KAPPEC has the requisite experience in implementing cold storage projects.

5. Key result / insight / interesting fact

This project is unique since it incorporates an innovative design of low charge ammonia refrigeration system which has been used in the project for the first time in India. Such schemes are there in other developed countries. However, this is a first of its kind in India. Key result would be the creation of scientific cold storage facility at affordable price to the farmers.

6. Impact

- * Farmers will be in a position to safely store their produce and plan the disposal based on the market conditions.

* Helps reducing the glut situation in the market leading to stability in the prices.

7. Lessons Learned

KAPPEC with its experience in building and operating cold storage facilities will be benefitted, prices and commodities will be stabilized and farmers will be in a position to earn reasonable price for their produce.

8. Supporting Quotes and Images

 A photograph showing the exterior of a large industrial building. The building has a green and white facade with a sign that reads "RKVY Karnataka State Agricultural Produce Processing & Export Corporation". A motorcycle is parked in front of the building.	 A photograph of the interior of a cold room. The room is white and features three large black fans mounted on the wall. A stack of brown sacks is visible in the foreground.
OUTER VIEW OF THE FACILITY	COLD ROOM
 A photograph showing the exterior of a cold room. The room has a white door and a small window. The floor is concrete.	 A photograph of the interior of a machine room. The room contains several large white electrical cabinets and a blue tractor. The floor is concrete.
OUTER VIEW OF COLD ROOM	MACHINE ROOM

9. Additional Information

- * Government should provide more and more financial assistance to build scientific storage facilities in the potential locations.
 - * RKVY and Government supported the work and M/s. Rinac India Ltd., have built the facility.
- (3) Photographs uploaded in the Bhuvan app of the Govt. of India.
- (4) Shri Umesh C Bagur, General Manager, KAPPEC (Mobile:- +919449875761).

10. Checklist

No.	Question to consider	Yes	No
1	Is the story interesting to the target audience of the project/activity report?	YES	
2	Does the story explain what new insights the project brings? What is the main lesson learned from this story? Does the story describe a key insight on what works and what doesn't and something that future project could build on	YES	
3	Does the story describe the outcomes the project produced and the people who are benefitting? What changes—in skills, knowledge, attitude, practice, or policy—has the project brought, and who is benefitting from these changes?	YES	
4	Does the story make a compelling point that people will remember? Does the story show how the project makes a difference to improving livelihoods and lessening poverty?	YES	
5	Does the story provide an interesting fact that people will remember? For example, how much yields increased, how many hectares of land could become more productive from this innovation or technology?	NOT APPLICABLE	
6	Does the story explain what kind of impact this innovation or technology could have if scaled up?	YES	
7	Does the story show which partners contributed and how?	Not Applicable	
8	Does the story include quotes from Stakeholders or beneficiaries?	YES	
9	Have I provided links to other media (journal articles, website news, newsletter, blogs, annual reports of other Programme/ project) that also feature this story?	NO	
10	Have I provided the contact details of people who can provide more information?	YES	

Shri S.V. Deshpande
 KAPPEC, Vijayapura
 Mobile:- +917760349293