

ACHIEVEMENTS

The following objectives were achieved from the project study:

- Flexible consumer packages which can offer shelf life of 8 to 12 months have been developed for all the three selected products and specification details have been drawn up for 50 grams and 100 grams for dehydrated onion flakes and AFD corn, and 100 grams and 200 grams for dehydrated garlic powder.
- For distribution and transport of the above developed consumer packs, outer packs have been developed to hold 4 kg/6 kg/8 kg of the packed product. The pack developed is a corrugated fibre board box, the specification details of which are drawn up and given in the report.
- Direct bulk packs of capacities as given below have been developed:

Dehydrated onion flakes : 2 x 12.5 kg.

Dehydrated garlic powder : 1 x 25 kg.

Accelerated freeze-dried corn : 1 x 10 kg.

The packs are bag- in- box. In the case of dehydrated onion flakes, 2 bags of 12.5 kg capacity which are moulded vacuum packs are placed inside an outer CFB box. Similarly in the case of dehydrated garlic powder and AFD corn, one bag of 25 kg and 10 kg capacity respectively are moulded vacuum pack and placed in an outer CFB boxes.

The moulded vacuum packs are somewhat cubical and regular in shape and exactly fit in the outer box. This reduces considerably space/volume occupied by the product and therefore can be beneficial for saving in freight during exports.

The shelf-life achieved in these packs is fairly long ie about 1.5 years to 2 years. The specification details in respect of the inner bags and outer CFB box have been drawn up and given in the report.