

## READY-TO-EAT EXPANDED HORSE GRAM

### 1. INTRODUCTION

Pulses like Bengal gram and Peas are available in puffed/ expanded form but not Horse Gram because raw Horse Gram does not give puffed or expanded product at normal moisture content and conventional puffing conditions. Studies have indicated that suitable pretreatment is necessary for expansion of Horse Gram, which is followed by HTST to give an acceptable expanded product, which can be a RTE snack as such or offer appropriate spice coating. The product is free from anti-nutritional factors and have good digestibility.

### 2. MARKET FOR PRODUCTS

At present, expanded product from horse gram is not available in the market. Hence the product has good potential in the market as the product is crisp, crunchy and shelf stable. It can be used as such as snack after salting or spicing. It can also be component of cereal bar/ chikki. It is anticipated that the market demand will be much more after successful launching of the product.

### 3. RAW MATERIAL

Horse Gram, Water, Sodium bicarbonate

### 4. PLANT AND MACHINERY

Soaking tanks, Sand roaster, hot air puffing unit, brushing machine/mini dhal mill, husk aspirator, hot air dryer and sealing machine.

### 5. PROJECT COST – FIXED COST – WORKING CAPITAL (in Rs. '000)

(Estimate for a model project)

a) Land 140 m <sup>2</sup>	28.00
b) Building 120 m <sup>2</sup>	480.00
c) Plant and machinery	700.00
d) Miscellaneous. fixed assets	100.00
e) Pre-operative expenses	200.00
Total fixed capital	1608.00
Working capital margin	25.00
Total Project cost	1633.00

#### Means of finance

- Promoters contribution	427.00
- Term loan	1206.00

### 6. PRODUCTION CAPACITY - (estimate)

Capacity of the unit: 100 kg/day

Working: 300 working days