

## Removal of smoky odour from bhatti cured large cardamom capsules

### INTRODUCTION

Bhatti cured (dried) large cardamom capsules are having the smoky odour, which makes it less acceptable. In order to remove the smoky odour a process is standardized at the Institute to make a product free from smoky odour. The process can be adopted by the wholesale dealers who normally procure the cardamom capsules from the farmers & sales in bulk. They can add value to the product by processing further and making it superior in quality by eliminating the undesirable odour.

### RAW MATERIAL

Large cardamom capsules, dried by the traditional (bhatti) method

### PROCESS

Procured dried large cardamom capsules → Cleaning → De-stoning → Steaming → Dried capsules → Inspection → Fumigation → Packing

### EQUIPMENTS:

Major equipments are Steam unit, Husk fired boiler, Elevators for loading, Tray drier, Sealing machine, Bagging unit, Inspection belt conveyor, Air classifier, De-stoner, Material handling equipment, Generator.

### ECONOMICS OF PROJECT (Approximately):

Capacity of Plant	2 MT / day & 300 days operation
Land (625 M <sup>2</sup> ) & land development	1.40 Lakhs
Building (300 M <sup>2</sup> )	17.50 Lakhs
Other fixed assets	1.15 Lakhs
Cost of plant/equipment	11.40 Lakhs
Working capital (margin)	25.00 Lakhs
(Total working capital required is 76 Lakhs)	
Total Project Cost	56.45 Lakhs