

## LITCHI PRODUCTS – CANNED & SQUASH

### PROCESSING OF LITCHI

Litchi fruit is a delicacy fruit grown abundantly in Bihar and Eastern U.P. Punjab, Haryana, West Bengal and Tripura has also been successful in growing litchi. Due to its characteristic pleasant flavour and soft texture, the fruit is in great demand. Unfortunately, the season of this fruit is hardly for 30 days and requires proper processing for future use.

Litchi squash/syrup is an easy to prepare beverage based and ready for use by dilution, pack, store and consume. The product is packed in 700 ml net (840g) bottles.

Canned litchi in sugar syrup is a delicacy which can be prepared in factory scale by adopting canning methods as in case of other fruits.

Commercial production can be taken up to manufacture large quantity either as part of diversification of pulp making/ canning unit or as a new enterprise.

In case of squash one part of the product is diluted with 3 or 4 parts of water and consumed. The energy value of 200 ml or glass of diluted squash is 100-120 k cal. The canned product can be consumed as it is with syrup.

### RAW MATERIAL

Litchi fruit, Sugar, Colour, Flavour & Preservative etc

### PROCESS

#### Pulp preparation

Litchi fruit → Washing/peeling → De-stoning → Crushing → Mincing → Heating → Hot filling in bottle → Processing → Cooling → Storage

#### Squash & syrup

Litchi pulp → Mixing → Bottling → Labeling → Packing

#### Canning of litchi in syrup

Litchi fruits → Washing → Peeling → De-stoning → Blanching → Filling cans → Sealing → Processing → Cooling

### PLANT AND MACHINERY

Principle Equipment: Fruit mill, Hydraulic press, Exhaust box, Fruit pulper, Fruit washing tank, Cane seamer, Can reforming unit, Can flanger, Bottle washing unit, Cap sealing machine.

Auxiliary Equipment: Preparation table, Syrup making unit, Steam jacketed kettle, Pulp storage container etc

### PROJECT COST - (in Rs.'000)

a)	Land & land development (2400 m <sup>2</sup> )	270.00
b)	Building & civil construction (200 m <sup>2</sup> )	800.00
c)	Plant and machinery	1300.00
d)	Miscellaneous fixed assets	400.00
e)	Pre-operative expenses	400.00
	Total fixed capital	3170.00
	Working capital margin	920.00
	Total Project cost	4090.00

### Means of Finance

-	Promoters contribution	1712.5
-	Term loan	2377.5

### PRODUCTION CAPACITY

Working days	: 115
Shifts	: 1 shift/day
Bottled litchi squash	: 100 tonnes per annum (100 days)
Canned litchi in syrup	: 75 tonnes per annum (15 days)