

**CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE
MYSORE – 570 020**

FRUIT JAM SLICES

INTRODUCTION

Fruit jam slices can be prepared from fruit pulps, juices of different types of fruits viz., Pineapple, orange, grapes, apple, strawberry, lime etc. Jam slices are a rich source of carbohydrates, vitamins viz., ascorbic acid, carotenes, minerals, organic acids, polyphenols, crude fibre etc. Jam slices can be prepared with different permitted food colors, flavours and can be made into different shapes.

Jam slices can be consumed as confectionary products. Jam slices can be consumed with bread slices, jam rolls etc. These products are concentrated source of energy and can be used in special rations of expeditions for defense and similar activities.

RAW MATERIAL

Mature ripe pineapple, orange, mango, guava, banana, apple, black grapes, cane sugar, citric acid, stabilizers, permitted colors and flavours etc

EQUIPMENTS

Fruit washer, Fruit mill, Fruit pulper, Stainless steel preparation tables, SS blending tank with agitator, SS steam jacketed kettles, Multitubular pasteurizer, Cross flow hot air drier, Boiler (steam generator).

PRODUCTION CAPACITY - (estimate)

1. Orange jam slices	-	60.75 MT/annum (300 days)
2. Pineapple jam slices	-	60.75 MT/annum (300 days)
3. Grape jam slices	-	60.75 MT/annum (300 days)
4. Mixed fruit jam slices	-	60.75 MT/annum (300 days)

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

(Estimate for a model project)

a)	Land & Land development (2000 m ²)	2660.00
b)	Building & civil construction (400 m ²)	2775.00
c)	Plant and machinery	3502.00
d)	Miscellaneous fixed assets	1219.00
e)	Preliminary and operative expenses	759.00
	Total Fixed Capital	10915.00
	Working capital margin	2563.00
	Total Project cost	13478.00

TECHNOLOGY/MANUFACTURING PROCESS – Availability

The technology for the manufacture of Fruit jam slices has been developed at CFTRI, Mysore, using appropriate equipment for optimal product recovery of right quality. The CFTRI has the necessary expertise to provide technical assistance and guidance for setting up the project. The CFTRI can offer further technical assistance for project implementation under technical consultancy arrangements.

Note: CFTRI does not guarantee the performance of the machine. Indenter may kindly confirm the performance, etc., from the fabricator of the machine, before a decision is taken to purchase the same.