PROJECT PROFILE ON SEED LESS TAMRIND CAKE UNIT

1. INTRODUCTION

Tamarind, of all fruits trees, is more widely distributed and appreciated as ornamental tree .The Tamarind is slow growing, long lived marine tree, reaches a height of 80-100ft(20-30 m) and a trunk of circumference of 25 ft (7.5m). The leaves are normally fruits flattish, irregularly curried and bulged pods vary from 2 to 7 inches in long. The pods may be brown externally and at first are tender–skinned with grey, highly acid flash and soft, whitish under developed seeds. As they are matured, the pods fill out somewhat and juicy, pulp turns brown or reddish- brown. There after, the skin becomes brittle, easily cracked shell and the pulp dehydrates naturally to a sticky paste .The Tamarind seeds are hard, brown, squarish in form 1/8 to ½ inch (1-2.5 cm) in diameter and each is enclosed in a parchment like membrane.

2. MARKET DEMAND

It is estimated that tamarind production is 3.5-4.0 lakh tones in the country. The major markets for tamarind are in Jagadalpur, Indore in MP, Ranchi in Bihar, Chittoor and Anantapur in AP, Belgaum and Tumkur in Karnataka and Kolkatta in West Bengal.

Exports of tamarind are in the form of tamarind fresh, tamarind dried and tamarind concentrate. Tamarind exports are mainly to Middle East, Syria, UK etc. India faces competition from Thailand. Exports of India in form of Tamarind fresh, Tamarind dried, Tamarind concentrate over the years. Exports show a fluctuating trend. In the year 1998-99, fresh tamarind exported is Rs.440 lakhs and jumped to Rs.880 lakhs. Tamarind dried is exported more than the other varieties of Tamarind.

PRODUCTION TARGETS

Basis of estimation:	300 Working Days in a Year Single Shift basis 8 hours per shift

	Seedless Tamarind Cake
Quantity (Kg)	30000
Value (Rs)	1050000

3. MANUFACTURING PROCESS

The manufacturing process at present practiced by women is by using simple tools and manual methods. The details of processing are given below and the manufacturing process is enclosed in the report.

The shell of the tamarind is removed at the farms and market yards and the fruit is received in bulk ranging from 600- 10,000 kg. The normal 600kgs of load is received through bullock carts or tractors and 10 ton material through trucks. The season for collection is during January. The raw material is stored in cold storages for protecting the fruit from becoming black. The market pays higher price for brown or reddish brown colour of tamarind.It is stored in lots of 50 kg, 100 kg in gunny bags.

4. QUALITY CONTROL STANDARDS

Quality of the product must be as per customers demand and according to Bearo of Indian Standards.

5. LAND & BUILDING

1.	Covered area	Sq. Ft.	500
2.	Uncovered area	Sq. Ft.	1000
3.	Total area	Sq. Ft.	1500
4.	Whether constructed or Rented		Rented
5.	If constructed, constructed value	Rs	N.A.
6.	If Rented, Rental value (per month)	Rs	1000

6. MACHINERY AND EQUIPMENT

S.N.	Description	Qty.	Value (Rs.)
1.	Small Wooden Tools and Machinery	1	50000
2.	Flat Form (Wooden Patlas)	1	
3.	Utencils & Packaging Machine	L.S.	
4.	Hand Tools	1	
5.	Sales Tax, Freight & Insurance etc.		5000
	Total		55000

7. RAW MATERIAL (PER MONTH)

S.N.	Particulars	Quantity (Kg)	Value (Rs)
1.	Raw Tamarind	3600	28800
2.	Packaging Material		9000
		Total	37800

8. STAFF & LABOUR (PER MONTH)

S.N.	Particulars	Qty	Rate	Value (Rs)
A	Administrative and Supervisory			
(i)	Manager	1	3000	3000
(ii)	Peon/ Chowkidar			
B	Technical (Skilled-Unskilled)			
(i)	Skilled Worker	1	3000	3000
(ii)	Unskilled Worker	4	2000	8000
	Sub-Total			14000
	Plus perquisites @ 30% of salaries			4200
	TOTAL			18200

9. OTHER EXPENSES (PER MONTH)

1.	Rent of Land & Building	1000
2.	Electricity Charges	250
3.	Fuel Exp.	0
4.	Advertisement & Travelling	1000
5.	Transport	5000
6.	Consumable & stores etc.	1000
7.	Potage expenses/ telephones	1000
8.	Stationery	1000
9.	Repairs & Maintenance's	1000
	Total	11250

10. WORKING CAPITAL (FOR ONE MONTH)

SL.NO.	DESCRIPTION	AMOUNT(RS)
1	Raw material	37800
2	Salaries & Wages	14300
3	Other Expenses	11250
	Total	63350

11. TOTAL CAPITAL INVESTMENT

Building & Other Civil Works	-
Machinery & Equipment	55000
Working capital for one month	63350
Total	118350

12. COST OF PRODUCTION (PER ANNUM)

Total recurring cost per year	760200
Depreciation on machinery & equipment	5000
Interest on total investment @ 10%	12000
Total	777200

13. SALES PROCEEDS (PER ANNUM)

S.N.	Item	Qty (Kg)	Value (Rs.)
1.	Seedless Tamrind Cake	30000	1050000
	Total		1050000

14. PROFITABILITY (BEFORE INCOME TAX)

1.	Annual Gross Profit	222800
2.	% of Profit on Sales	22.28%
3.	Break Even Analysis	
3.1	Annual Fixed Cost	306600
3.2	Annual Sales	1050000
3.3	Annual Variable Cost	453600
3.4	Break Even Point	56.11%

Break-Even Analysis

(% of Total Production envisaged)

$$\frac{\text{Annual fixed cost} \times 100}{\text{Annual sales – Annual variable costs}} = \quad \%$$

15. Manufactures/ Suppliers of Machinery

1	Huma Traders Near Shajanabad Thana, Bhopal
2	Small traders of plant & equipments in the district.

16. Suppliers of Raw Materials

From Local agriculture mandi or growers of the area.

17. IMPLEMENTATION PERIOD

Proposed Project can commence production with in 6-8 weeks after sanction and first disbursement of term loan.

18. ASSUMPTION FOR GENERATING PROJECT PROFITABILITY

1	Number of Working Days in a year	300 Days
2	Number of Shifts in a day	1 One
3	Hours in a Shift	8 hours
4	Plant Capacity	Consider on Average production capacities of plant.
5	Raw material Estimates	Based upon product Mix
6	Raw Material Availability	Dhar , Barwani, Chhindwara and Seoni districts of MP
7	Depreciation	Straight Line Method
8	Manpower	According to project Requirement
9	Rent estimate	On the basis of current market prize of the area.
10	Potential Area of Marketing the products	Households & related industries of the area.
11	If project is funded, term loan would be	60-80% of Total investment
12	Moratorium Period	6- 12 months
13	Repayment Period	5-7 years
14	Project may be established under	PMEGP (GOI) / Tribal Self Employment Scheme (NSTFDC) or Rani Durgawati Scheme of MP