#### **PROJECT REPORT**

Of

# NAMKEEN MANUFACTURING UNIT

#### **PURPOSE OF THE DOCUMENT**

This particular pre-feasibility is regarding Namkeen Manufacturing Unit.

The objective of the pre-feasibility report is primarily to facilitate potential entrepreneurs in project identification for investment and in order to serve his objective; the document covers various aspects of the project concept development, start-up, marketing, finance and management.

[We can modify the project capacity and project cost as per your requirement. We can also prepare project report on any subject as per your requirement.]



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## NAMKEEN MANUFACTURING UNIT

#### Introduction

Namkeen is the Hindi word used to describe a savory flavor. The word namkeen is derived from the word Namak (meaning salt). Namkeen is also used as a generic term to describe savory snack foods. Both black and regular white salt are used in Indian cooking, which gives it the salty flavor many people like. Other namkeen snacks common in Indian cuisine include khaara, farsan, chivda, sav, chips and bhujiya. Namkeen of Indore and Ratlam are two snacks that are very well known for their tastes.

Namkeen is a small service of food and generally eaten between meals. Snacks come in a variety of forms including packaged snack foods and other processed foods, as well as items made from fresh ingredients at home.

Traditionally, Namkeen are prepared from ingredients commonly available at home without a great deal of preparation. Often cold cuts, fruits, leftovers, nuts, sandwiches, and sweets are used as snacks.

Namkeen foods are typically designed to be portable, quick, and satisfying. Processed snack foods, as one form of convenience food, are designed to be less perishable, more durable, and more portable than prepared foods. They often contain substantial amounts of sweeteners, preservatives, and appealing ingredients such as chocolate, peanuts, and specially-designed flavors (such as flavoured potato chips).

Beverages, such as coffee, are not generally considered snacks although they may be consumed along with or in lieu of snack foods.

## **Ingredients**

The main ingredients of namkeen are besan, Oil, Sices, packaging material, dal, peanut, potato, dry fruits etc. based on the type of namkeen.

## **Description of Namkeen Machine**

#### **Machinery for Namkeen includes the following:**

- Dough Mixer
- Bhujia sev Machine
- Rectangular batch tilting fryer with diesel Burner
- Seasoning drum
- Packaging Machine

These machines are mainly used to produce final eatable Namkeen from the raw material. With the help of these machines the work of mixing, heating, frying, filling & sealing completes in a very short span.

#### **Namkeen Market Analysis**

Namkeen is the dominant segment, followed by the Extruded Snacks. The market is also segmented into organized and unorganized sector of which unorganized is the dominant market.

The India Snacks Market will be more than INR 1 Billion by the end of 2024.

The future of India Snacks Market can be judged from the fact that this industry is expected to grow with double digit CAGR for the time frame of 2018 to 2024. India snacks market is dived between organized players and unorganized market. At present Unorganized market is dominating the India snacks market. But this scenario is expected to change during the forecast period of 2018-2024. India Snacks Market is growing due to following factors Lifestyle Changes, Rising Urbanization, Growing Middle Class Population, Local Availability and Availability of Snacks in Small Package Size, Low Price and Company's Strategies to focus on regional taste..

## **Namkeen Manufacturing Process**

- Procurement of raw material.
- Preparation of dough with the help of dough mixer.
- After that take the dough into the frying section.
- After frying, mix all the other ingredients like: peanut, spices etc. as per the different taste of the namkeen.
- Packaging of goods.
- Transportation.

#### **Machinery & Equipment's required:**

Name	Cost
Main Machinery cost	10,75,000
Total	10,75,000

Cost of the machine is exclusive of GST & other transportation cost & value of the machine varies with the change in batch size.

#### Land &Building required:

Land required 1500 Square Feet (approx.)

Approximate rent for the same is 30000.

## **Labour Requirement:**

6 Manpower is required for Namkeen Manufacturing unit. Includes:

- 1 skilled Labour
- 4-5 Unskilled Labour

#### **Raw Material Requirement of Namkeen**

S.N.	Particulars	Rate per KG
1	Besan	65
2	Oil	90
3	Spices	200
5	Dal	80
6	Peanut	110
7	Potato	12

Average raw material cost per KG: Rs. 50-60

#### Size of the product

Namkeen products are packed in different types of packaging product with different sizes.

#### **Pouch Packaging Size**

- 50 gram
- 100 gram
- 250 gram
- 500 gram
- 1 KG

#### Namkeen License & registration

## For Proprietor:

- Obtain the GST registration.
- FSSAI License.
- Fire/ Pollution Registration as required.
- Choice of a Brand Name of the product and secure the name with Trademark if required.

# **Implementation Schedule**

S.N.	Activity	Time Required (in Months)
1	Acquisition Of premises	1
2	Construction (if Applicable)	1- 2 Months
3	Procurement & installation of Plant & Machinery	1
4	Arrangement of Finance	1
5	Requirement of required Manpower	1
	Total time Required (some activities shall run concurrently)	2-3 Months

**PROJECT AT A GLANCE** 

1 Name of the Entreprenuer xx

2 Constitution (legal Status) : xx

**3** Father's/Spouce's Name **xx** 

**4** Unit Address :

Taluk/Block: XX

District: XX

Pin:

E-Mail : **XX** Mobile **XX** 

**5** Product and By Product : Namkeen

Name of the project / business

**6** activity proposed:

**7** Cost of Project : **Rs.** 13.69

8 Means of Finance

Term Loan Rs. 12.32 Lacs

25% of 13.69 Lacs

KVIC Margin Money Rs. (3.42 Lacs)

Own Capital Rs. 2.37 Lacs

Debt Service Coverage Ratio

·

10 Pay Back Period : 4 years 11
11 Project Implementation Period : 6 months

**12** Employment :

13 Power Requirement : 15 KW connection Besan, oil, dry fruits,

**14** Major Raw materials : peanut

Estimated Annual Sales Turnover 88 Lacs (at 50%)

**15** : capacity)

Detailed Cost of Project & Means of

**16** Finance

**COST OF PROJECT** 

(Rs. In Lacs)

1.10	
Particulars	Amount
Land Building & Civil Work	-
Plant & Machinery	12.69
Furniture & Fixtures	1.00
Pre-operative Exper	ises

Contingencies Working Capital	
Requirement	10.00
Total	23.69

#### **MEANS OF FINANCE**

<b>Particulars</b>	Amount
Own Contribution	2.37
Bank Finance	12.32
working capital	
from bank	9.00
Total	23.69
KVIC Margin	25% of 13.69 Lacs
Monery	(3.42 Lacs)

#### FINANCIAL ASSISTANCE REQUIRED

Term Loan of Rs. 12.32Lacs and Working Capital limit of Rs. 9.00 Lacs

COST O	<u>F</u>
<b>PROJEC</b>	<b>T</b> ;

PARTICULARS	AMOUNT	AMOUNT	AMOUNT
		10.00%	90.00%
Building Civil Work			
Plant & Machinery Furniture & Fixtures and Other	12.69	1.27	11.42
Assets	1.00	0.10	0.90
Working capital	10.00	1.00	9.00
Total	23.69	2.47	21.32

# MEANS OF FINANCE

PARTICULARS	AMOUNT
Own Contribution	2.37
Bank Loan	12.32
Working capital Limit	9.00
Total	23.69

#### **COMPUTATION OF PRODUCTION OF Namkeen**

#### Items to be Manufactured

Namkeen

machine capacity per day

machine capacity per annum

192000KG

wastage

5%

Raw Material Requirement

202,105 KG

Production of Namke	een	
Production	Capacity	KG
1st year	50%	96,000
2nd year	55%	105,600
3rd year	60%	115,200
4th year	65%	124,800
5th year	70%	134,400

Raw Materia	al Cost		
Year	Capacity	KG Amoun	
	Utilisation		(Rs. in lacs)
1st year	50%	60.00	60.63
2nd year	55%	62.00	68.92
3rd year	60%	64.00	77.61
4th year	65%	65.00	85.39
5th year	70%	66.00	93.37

COMPUTATION OF SALE					
Particulars	1st year	2nd year	3rd year	4th year	5th year
Op Stock	-	8,000	8,800	9,600	10,400
Production	96,000	105,600	115,200	124,800	134,400
Less : Closing Stock	8,000	8,800	9,600	10,400	11,200
Net Sale	88,000	104,800	114,400	124,000	133,600
sale price per KG	100.00	102.00	103.00	104.00	105.00
Sales (in Lacs)	88.00	106.90	117.83	128.96	140.28

BREAK UP OF LABOUR CHARGES	<u> </u>		
Particulars	Wages	No of	Total
	Per Month	Employees	Salary
Skilled	12000	1	12000
Unskilled	10000	5	50000
Total Salary Per Month			62000
Total Annual Labour Charges	(in Lacs)		7.44

BREAK UP OF STAFF Charges			
Particulars	Wages	No of	Total
	Per Month	Employees	Salary
Accountant	15000	1	15000
Helper	7000	1	7000
Total Salary Per Month			22000
Total Annual Labour Charges	(in Lacs)		2.64

Utility Charges at 100% capacity (per month)						
Particulars	value	Description				
Power connection required	15	KWH				
consumption per day	120	units				
Consumption per month	3000	units				
Rate per Unit	7	Rs.				
power Bill per month	21000	Rs.				

PROJECTED PROFITABILITY	PROJECTED PROFITABILITY STATEMENT						
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year		
Capacity Utilisation %	50%	55%	60%	65%	70%		
SALES							
Gross Sale							
Namkeen	88.00	106.90	117.83	128.96	140.28		
Total	88.00	106.90	117.83	128.96	140.28		
COST OF SALES							
Raw Mateiral Consumed	60.63	68.92	77.61	85.39	93.37		
Elecricity Expenses	2.52	2.77	3.05	3.35	3.69		
Depriciation	2.00	1.71	1.46	1.24	1.06		
Consumables	3.83	4.65	5.13	5.61	6.10		
Repair & maintennace	2.82	3.42	3.77	4.13	4.49		
other direct expenses	2.64	3.21	3.53	3.87	4.21		
Packaging Charges	3.17	3.85	4.24	4.64	5.05		
Cost of Production	77.61	88.52	98.79	108.23	117.97		
Add: Opening Stock /WIP	-	6.47	7.38	8.23	9.02		
Less: Closing Stock /WIP	6.47	7.38	8.23	9.02	9.83		
Cost of Sales	71.14	87.61	97.93	107.45	117.16		
GROSS PROFIT	16.86	19.28	19.90	21.51	23.12		
I							

salary to staff	2.64	2.90	3.19	3.51	3.87
Interest on Term Loan	1.22	1.14	0.92	0.69	0.08
Interest on working Capital	0.99	0.99	0.99	0.99	0.99
Rent	3.60	3.96	4.36	4.79	5.27
Selling & adm Exp	3.96	4.81	5.30	5.80	6.31
TOTAL	12.41	13.80	14.76	15.79	16.51
NET PROFIT	4.45	5.48	5.14	5.72	6.61
Taxation	-	0.10	0.03	0.15	0.33
PROFIT (After Tax)	4.45	5.38	5.11	5.57	6.27

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PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
Liabilities					
Capital					
opening balance		5.07	8.45	10.91	13.79
Add:- Own Capital	2.37				
Add:- Retained Profit	4.45	5.38	5.11	5.57	6.27
Less:- Drawings	1.75	2.00	2.65	2.70	3.00
Closing Blance	5.07	8.45	10.91	13.79	17.06
Subsidy Reserve	3.42	3.42	3.42	-	-
Term Loan	11.30	9.26	7.22	1.76	-
Working Capital Limit	9.00	9.00	9.00	9.00	9.00
Sundry Creditors	3.03	3.22	3.88	4.55	5.29
Provisions & Other Liab	0.30	0.40	0.55	0.66	0.83
TOTAL:	32.12	33.74	34.98	29.76	32.18
Assets					
Fixed Assets (Gross)	13.69	13.69	13.69	13.69	13.69
Gross Dep.	2.00	3.71	5.17	6.41	7.47
Net Fixed Assets	11.68	9.97	8.52	7.28	6.22
FD of Subsidy	3.42	3.42	3.42		
Current Assets					
Sundry Debtors	2.57	5.34	6.38	6.45	7.60
Stock in Hand	11.52	13.12	14.70	14.71	16.83
Cash and Bank	2.93	1.88	1.96	1.32	1.52
TOTAL:	32.12	33.74	34.98	29.76	32.18

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
SOURCES OF FUND					
Own Margin	2.37				
Net Profit	4.45	5.48	5.14	5.72	6.61
Depriciation & Exp. W/off	2.00	1.71	1.46	1.24	1.06
Increase in Cash Credit	9.00	-	-	-	-
Increase In Term Loan	12.32	-	-	-	-
Increase in Creditors	3.03	0.18	0.66	0.67	0.74
Increase in Provisions & Oth lib	0.30	0.10	0.15	0.11	0.17
increase in subsidy	3.42				
TOTAL:	36.89	7.47	7.41	7.75	8.57
APPLICATION OF FUND					
Increase in Fixed Assets	13.69				
Increase in Stock	11.52	1.60	1.58	0.01	2.12
Increase in Debtors	2.57	2.78	1.04	0.07	1.15
Repayment of Term Loan	1.02	2.04	2.04	5.46	1.76
Increase in FD	3.42	-	-		
Drawings	1.75	2.00	2.65	2.70	3.00
Taxation	-	0.10	0.03	0.15	0.33
TOTAL:	33.96	8.52	7.34	8.39	8.36
Opening Cash & Bank Balance	-	2.93	1.88	1.96	1.32

2.93

1.88

1.96

1.32

1.52

Closing Cash & Bank Balance

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
Finished Goods					
	6.47	7.38	8.23	9.02	9.83
Raw Material					
	5.05	5.74	6.47	5.69	7.00
Closing Stock	11.52	13.12	14.70	14.71	16.83

Particulars	Amount	Own	Margin	Bank Fina	nce
Finished Goods & Raw Material	11.52				
Less : Creditors	3.03				
Paid stock	8.49	10%	0.85	90%	7.64
Sundry Debtors	2.57	10%	0.26	90%	2.31
	11.05		1.11		9.95

2nd Method		
PARTICULARS	1st year	2nd year
Total Current Assets	17.02	20.35
Other Current Liabilities	3.33	3.62
Working Capital Gap	13.69	16.73
Min Working Capital		
25% of WCG	3.42	4.18
Actual NWC	4.69	7.73
item III - IV	10.26	12.55
item III - V	9.00	9.00
MPBF (Lower of VI & VII)	9.00	9.00

3rd Method		
PARTICULARS	1st year	2nd year
Total Current Assets	17.02	20.35
Other Current Liabilities	3.33	3.62
Working Capital Gap	13.69	16.73
Min Working Capital		
25% of Current Assets	4.25	5.09
Actual NWC	4.69	7.73
item III - IV	9.43	11.64
item III - V	9.00	9.00
MPBF (Lower of VI & VII)	9.00	9.00

#### **COMPUTATION OF DEPRECIATION**

Description	Plant & Machinery	Furniture	TOTAL
Rate of Depreciation	15.00%	10.00%	
Opening Balance	-	-	-
Addition	12.69	1.00	13.69
Total	12.69	1.00	13.69
Less : Depreciation	1.90	0.10	2.00
WDV at end of Year	10.78	0.90	11.68
Additions During The Year	-	-	-
Total	10.78	0.90	11.68
Less : Depreciation	1.62	0.09	1.71
WDV at end of Year	9.16	0.81	9.97
Additions During The Year	-	-	-
Total	9.16	0.81	9.97
Less : Depreciation	1.37	0.08	1.46
WDV at end of Year	7.79	0.73	8.52
Additions During The Year	-	-	-
Total	7.79	0.73	8.52
Less : Depreciation	1.17	0.07	1.24
WDV at end of Year	6.62	0.66	7.28
Additions During The Year	-	-	-
Total	6.62	0.66	7.28
Less : Depreciation	0.99	0.07	1.06
WDV at end of Year	5.63	0.59	6.22
S	-	-	-
Total	5.63	0.59	6.22

Less : Depreciation	0.84	0.06	0.90
WDV at end of Year	4.78	0.53	5.32
Less : Depreciation	0.72	0.05	0.77
WDV at end of Year	4.07	0.48	4.54
Less : Depreciation	0.61	0.05	0.66
WDV at end of Year	3.46	0.43	3.89

CALCULATION OF D.S.C.R					
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
CASH ACCRUALS	6.46	7.09	6.57	6.82	7.33
Interest on Term Loan	1.22	1.14	0.92	0.69	0.08
Total	7.67	8.23	7.48	7.51	7.41
REPAYMENT					
Instalment of Term Loan	1.02	2.04	2.04	5.46	1.76
Interest on Term Loan	1.22	1.14	0.92	0.69	0.08
Total	2.24	3.18	2.96	6.15	1.83
	0.40	0.50	0.50	4.00	4.04
DEBT SERVICE COVERAGE RATIO	3.43	2.59	2.53	1.22	4.04
AVERAGE D.S.C.R.			2.76		

	REPA	AYMENT S	CHEDULI	E OF TE	ERM LOA	AN .	
						Interest	11.00%
Year	Particulars	Amount	Addition	Total	Interest	Repayment	Closing Balance
ist	Opening Balance						
	1st month	-	12.32	12.32	-	-	12.32
	2nd month	12.32	-	12.32	0.11	-	12.32
	3rd month	12.32	-	12.32	0.11	-	12.32
	4th month	12.32	-	12.32	0.11		12.32
	5th month	12.32	-	12.32	0.11		12.32
	6th month	12.32	-	12.32	0.11		12.32
	7th month	12.32	-	12.32	0.11	0.170	12.15
	8th month	12.15	-	12.15	0.11	0.170	11.98
	9th month	11.98	-	11.98	0.11	0.170	11.81
	10th month	11.81	-	11.81	0.11	0.170	11.64
	11th month	11.64	-	11.64	0.11	0.170	11.47
	12th month	11.47	-	11.47	0.11	0.170	11.30
					1.22	1.020	
2nd	Opening Balance						
	1st month	11.30	-	11.30	0.10	0.170	11.13
	2nd month	11.13	-	11.13	0.10	0.170	10.96
	3rd month	10.96	-	10.96	0.10	0.170	10.79
	4th month	10.79	-	10.79	0.10	0.170	10.62
	5th month	10.62	-	10.62	0.10	0.170	10.45
	6th month	10.45	-	10.45	0.10	0.170	10.28
	7th month	10.28	-	10.28	0.09	0.170	10.11
	8th month	10.11	-	10.11	0.09	0.170	9.94
	9th month	9.94	-	9.94	0.09	0.170	9.77
	10th month	9.77	-	9.77	0.09	0.170	9.60
	11th month	9.60	-	9.60	0.09	0.170	9.43
	12th month	9.43	-	9.43	0.09	0.170	9.26

					1.14	2.040	
3rd	Opening Balance						
	1st month	9.26	-	9.26	0.08	0.170	9.09
	2nd month	9.09	-	9.09	0.08	0.170	8.92
	3rd month	8.92	-	8.92	0.08	0.170	8.75
	4th month	8.75	-	8.75	0.08	0.170	8.58
	5th month	8.58	-	8.58	0.08	0.170	8.41
	6th month	8.41	-	8.41	0.08	0.170	8.24
	7th month	8.24	-	8.24	0.08	0.170	8.07
	8th month	8.07	-	8.07	0.07	0.170	7.90
	9th month	7.90	-	7.90	0.07	0.170	7.73
	10th month	7.73	-	7.73	0.07	0.170	7.56
	11th month	7.56	-	7.56	0.07	0.170	7.39
	12th month	7.39	-	7.39	0.07	0.170	7.22
					0.92	2.040	
4th	Opening Balance						
	1st month	7.22	-	7.22	0.07	0.170	7.05
	2nd month	7.05	-	7.05	0.06	0.170	6.88
	3rd month	6.88	-	6.88	0.06	0.170	6.71
	4th month	6.71	-	6.71	0.06	0.170	6.54
	5th month	6.54	-	6.54	0.06	0.170	6.37
	6th month	6.37	-	6.37	0.06	0.170	6.20
	7th month	6.20	-	6.20	0.06	0.170	6.03
	8th month	6.03	-	6.03	0.06	0.170	5.86
	9th month	5.86	-	5.86	0.05	0.170	5.69
	10th month	5.69	-	5.69	0.05	0.170	5.52
	11th month	5.52	-	5.52	0.05	0.170	5.35
	12th month(Subsidy adjusted)	5.35	-	5.35	0.05	3.590	1.76
F4:	0				0.69	5.460	
5th	Opening Balance						
	1st month	1.76	-	1.76	0.02	0.170	1.59

	REPAYMENT PERIOD	53	MONTHS				
	MORATORIUM PERIOD	6	MONTHS				
	DOOR TO DOOR	59	MONTHS				
-					0.08	1.76	
	11th month	0.06	-	0.06	0.00	0.057	-
	10th month	0.23	_	0.23	0.00	0.170	0.06
	9th month	0.40	-	0.40	0.00	0.170	0.23
	8th month	0.57	-	0.57	0.01	0.170	0.40
	7th month	0.74	-	0.74	0.01	0.170	0.57
	6th month	0.91	-	0.91	0.01	0.170	0.74
	5th month	1.08	-	1.08	0.01	0.170	0.91
	4th month	1.25	-	1.25	0.01	0.170	1.08
	3rd month	1.42	-	1.42	0.01	0.170	1.25
	2nd month	1.59	-	1.59	0.01	0.170	1.42

# Supplier Details:

nackaging machinery	
packaging machinery	Nambardar Estate, 85, taimoor
	Nagar, New Friends Colony, New
	Delhi- 110065



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