UP MSME 1-Connect

PROJECT REPORT

PROJECT: SOYA CHUNKS

PROJECT REPORT

Of

SOYA CHUNKS

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding **Soya Chunks**.

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.]



PROJECT AT A GLANCE

1 Name of the Entreprenuer xxxxxxxxxx
2 Constitution (legal Status) : xxxxxxxxxx

3 Father / Spouse Name xxxxxxxxxxx

District: xxxxxxx Pin: xxxxxxx

State: xxxxxxxxxx

Mobile xxxxxxx

5 Product and By Product : SOYA CHUNKS

6 Name of the project / business activity proposed : SOYA CHUNKS MANUFACTURING UNIT

7 Cost of Project : Rs.22.55 Lakhs

8 Means of Finance

Term Loan Rs.15.3 Lakhs
Own Capital Rs.2.26 Lakhs
Working Capital Rs.5 Lakhs

Debt Service Coverage Ratio : 2.32

10 Pay Back Period : 5 Years

11 Project Implementation Period : 5-6 Months

12 Break Even Point : 38%

13 Employment : 14 Persons

14 Power Requirement : 40 KW

15 Major Raw materials : Soya Flour, Water etc

Estimated Annual Sales Turnover (Max Utilized

16 Capacity) : 121.51 Lakhs

17 Detailed Cost of Project & Means of Finance

COST OF PROJECT (Rs. In Lakhs)

Amount
Own/Rented
Own/Rented
15.50
1.50
5.55
22.55

MEANS OF FINANCE

Particulars	Amount
Own Contribution	2.26
Term Loan	15.30
Working Capital	5.00
Total	22.55

1. INTRODUCTION

SOYA CHUNK



In the world of health and nutrition, protein-rich foods are creating a buzz lately. Protein stands out to be one of the most important nutrients that must be included in diet daily. Dietary protein not only helps build and repair muscles but also induces a feeling of satiety, which facilitates weight loss by keeping uncontrolled bingeing at bay.

Soya Chunk is replete with protein content. Made from soybean, soya chunks are popularly known as vegetarian meat for its meaty taste and fibrous texture. Being abundantly dense in protein, soya chunks are widely used in Indian household kitchens as part of curries and snacks items.

Soy is full of polyunsaturated fats, proteins and omega 3 fatty acids. 100 grams of uncooked soya chunks have 345 calories with 52 grams of protein, 0.5 grams total fat, 33 grams carbohydrates and 13 grams dietary fibre. They are also rich in calcium and iron while providing no extra sugar or sodium to the body. Soya chunks are also popularly known as meal maker is a textured or texturized vegetable protein which is also known as textured soy protein or soya meat or a nutritious meat extender made from defatted soy flour, a by-product of extracting soybean oil.

2. MARKET POTENTIAL:

The soya Chunks market is segmented on the basis of nature, packaging, and distribution channel. On the basis of nature type, the global soya Chunks market can be segmented into organic soya Chunks, and conventional soya Chunks. On the basis of packaging, the soya Chunks market is segmented into carton packaging, cans and pouches. The mode of packaging chosen depends on the region in which the product is offered.

On the basis of the distribution channel, the soya Chunks market is segmented into direct and indirect sales. The indirect sales segment can be further segmented into store-based retailing and online retailing. Store-based retailing can be further classified into modern grocery retailers and traditional grocery retailers. Modern grocery retailers can be further subsegmented into a convenience store, mom and pop stores, discount stores, and hypermarkets or supermarkets. The traditional grocery retailers can be further sub-segmented into food & drink specialty stores, independent small groceries, and others. The soya Chunks are easily available in local markets, which provides an ease to consumers to use the benefits offered by the product.

Soybean meal market is segmented on the basis of process of production as normal soybean meal, De-hulled [min 50% protein] Hipro Soybean meal, and DE hulled [min. 48% protein] Hipro Soybean meal, Defatted soya flour toasted, and de-fatted soya flakes toasted are available in the market.

3. PRODUCT DESCRIPTION

3.1 PRODUCT BENEFITS

Soya Nuggets are as good as original meat. They possess similar properties in terms protein content. They are also similar chewy characteristics on soaking in water. Also, they are free from cholesterol, and thus heavily used as meat substitutes. These nuggets can be used in preparing various food products in households as well as in restaurants and can be important because of its high nutritional value.

3.2 Types of Soya Chunk

Two types of soya chunks are available in market.

- 1. Normal size soya chunks
- 2. Mini soya chunks

3.3 RAW MATERIAL

Following raw materials are used as basic raw material for soya chunk manufacturing unit:

- Soya Flour
- Water

3.4 MANUFACTURING PROCESS

Soya Chunk manufacturing Process

- Raw material is procured from the local vendor
- All raw materials are placed in the inventory

- The soy flour is fed to the flour mixer with water
- Mixer forms a thick slurry of Soy Flour
- This slurry is fed to Soy Nugget Extruder
- It's a cooking extruder with inbuilt cutter at die end
- Soy Flour slurry is then cooked within barrel of extruder
- Barrel heater provides necessary heat for the process
- Thick cooked soy paste at this point is extruded through die
- A cutter quickly cuts extruded soy nuggets
- Due to cooking water vapors generated are at high pressure
- Thus after extrusion these vapors escape to surrounding
- This generates texture of soy nuggets
- Soy nuggets are then simply fed to a dryer
- The dryer further removes the moisture present in nuggets
- These dried nuggets are then checked for quality
- Soy nuggets are then packed & sent for sale.

PROJECTED BALANCE SHEET						
PARTICULARS	I	II	III	IV	V	
SOURCES OF FUND Capital Account						
Opening Balance	- 	3.34	4.72	7.03	10.09	
Add: Additions	2.26	-	-	-	-	
Add: Net Profit	2.08 1.00	3.39	6.31 4.00	9.06	11.74	
Less: Drawings Closing Balance	3.34	2.00 4.72	7.03	6.00 10.09	8.00 13.83	
CC Limit	5.00	5.00	5.00	5.00	5.00	
Term Loan	13.60	10.20	6.80	3.40	-	
Sundry Creditors	0.77	0.89	1.02	<u>1.16</u>	1.31	
TOTAL:	22.70	20.81	19.85	19.64	20.14	
APPLICATION OF FUND						
Fixed Assets (Gross)	17.00	17.00	17.00	17.00	17.00	
Gross Dep.	2.48	· · · · · · · · · · · · · · · · · · ·		7.92	9.24	
Net Fixed Assets	14.53	12.41	10.61	9.08	7.76	
Current Assets						
Sundry Debtors	2.30	2.74	3.14	3.57	4.05	
Stock in Hand	4.03	4.54	5.15	5.81	6.52	
Cash and Bank	1.85	1.11	0.94	1.19	1.80	
TOTAL	00.70	00.04	40.05	40.04	00.4	
TOTAL :	22.70	<u>20.81</u>	<u>19.85</u>	<u>19.64</u>	<u>20.14</u>	
	-	-	-	-	-	

		V CTATEMENT
PKUJEGJED	PRUFILABILIT	Y STATEMENT

	_				
PARTICULARS	I	II	III	IV	V
A) SALES Gross Sale	68.88	82.25	94.24	106.98	121.51
Total (A)	68.88	82.25	94.24	106.98	121.51
B) COST OF SALES					
Raw Mateiral Consumed	33.00	38.12	43.65	49.63	56.07
Electricity Expenses	4.05	4.45	4.86	5.26	5.67
Repair & Maintenance	0.34	0.41	0.47	0.53	0.61
Labour & Wages	13.66	15.03	16.53	18.18	20.00
Depresiation	2.40	0.44	1.00	4 5 4	4.04
Depreciation Packaging Cost	2.48 1.38	2.11 1.65	1.80 1.88	1.54 2.14	1.31 2.43
Cost of Production	54.91	61.76			
Cost of Production	34.91	01.70	<u>69.20</u>	11.29	86.09
Add: Opening Stock /WIP	-	1.83	2.00	2.24	2.50
Less: Closing Stock /WIP	1.83	2.00	2.24	2.50	2.78
Cost of Sales (B)	53.08	61.60	68.96	77.03	85.81
C) GROSS PROFIT (A-B)	15.80	20.65	25.28	29.95	35.70
(, , , , , , , , , , , , , , , , , , ,	22.94%	25.11%	26.83%	28.00%	29.38%
D) Bank Interest (Term Loan)	1.66	1.36	0.98	0.61	0.23
ii) Interest On Working Capital	0.55	0.55	0.55	0.55	0.55
E) Salary to Staff	4.62	5.08	5.59	6.15	6.76
F) Selling & Adm Expenses Exp.	6.89	10.28	11.78	13.37	15.19
TOTAL (D+E)	13.72	17.27	18.90	20.68	22.74
H) NET PROFIT	2.08	3.39	6.38	9.27	12.97
	3.0%	4.1%	6.8%	8.7%	10.7%
I) Taxation	-	-	0.07	0.21	1.22
J) PROFIT (After Tax)	2.08	3.39	6.31	9.06	11.74

PARTICULARS	I	II	III	IV	٧
SOURCES OF FUND					
Own Contribution Net Profit Depreciation & Exp. W/off Increase In Cash Credit Increase In Term Loan Increase in Creditors TOTAL:	2.26 2.08 2.48 5.00 15.30 0.77 27.88	3.39 2.11 - 0.12 5.62	6.38 1.80 - <u>0.13</u> 8.31	9.27 1.54 - <u>0.14</u> 10.95	12.97 1.31 - <u>0.15</u> 14.43
APPLICATION OF FUND					
Increase in Fixed Assets Increase in Stock Increase in Debtors Repayment of Term Loan Taxation Drawings TOTAL:	17.00 4.03 2.30 1.70 - 1.00 26.03	0.51 0.45 3.40 - 2.00 6.35	0.61 0.40 3.40 0.07 <u>4.00</u> <u>8.48</u>	0.66 0.42 3.40 0.21 <u>6.00</u> 10.70	- 0.71 0.48 3.40 1.22 8.00 13.82
Opening Cash & Bank Balance	-	1.85	1.11	0.94	1.19
Add : Surplus	1.85 -	0.74 -	0.17	0.25	0.61
Closing Cash & Bank Balance	1.85	<u>1.11</u>	<u>0.94</u>	<u>1.19</u>	<u>1.80</u>

COMPUTATION OF SOYA CHUNKS MANUFACTURING UNIT

Items to be Manufactured SOYA CHUNKS

Manufacturing Capacity per Day No. of Working Hour	500.00 8	kg
No of Working Days per month	25	
No. of Working Day per annum	300	
Total Production per Annum	150,000	kg
Year	Capacity Utilisation	SOYA CHUNKS MANUFACTURING UNIT
I II III IV V	50% 55% 60% 65% 70%	75,000 82,500 90,000 97,500 105,000

COMPUTATION OF RAW MATERIAL						
Item Name		Quantity of Raw Material	Unit	Unit Rate of	Total CostPe Annum (100%)	
Raw Material Consumed Total		165,000.00	kg	40.00	6,600,000.00 6,600,000.00	
Total Raw material in Rs lacs	at 100% Capacity	/			66.0	
Average Cost per kg	. "	5 /		(In Rs)	44.0	
Raw Material Consumed	Capacity Utilisation	Rate	Amount (Rs.)			
1	50%	44.00		33.00		
II	55%	46.20		38.12		
III	60%	48.50		43.65		
IV	65%	50.90		49.63		
V	70%	53.40		56.07		

COMPUTATION OF SALE

Particulars	1	II	III	IV	V
0.00		0.500.00	0.750.00	0.000.00	0.050 (
Op Stock	-	2,500.00	2,750.00	3,000.00	3,250.(
Production	75,000.00	82,500.00	90,000.00	97,500.00	105,000.0
Less : Closing Stock(10 Days)	75,000.00 2,500.00	85,000.00 2,750.00	92,750.00 3,000.00	100,500.00 3,250.00	108,250.0 3,500.0
Net Sale	72,500.00	82,250.00	89,750.00	97,250.00	104,750.0
Avg Sale Price per kg	95.00	100.00	105.00	110.00	116.(
Sale (in Lacs)	68.88	82.25	94.24	106.98	121.

COMPUTATION OF CLOSING STOCK & WORKING CAPITAL

PARTICULARS	I	II	Ш	IV	٧
Finished Goods					
(10 Days requirement)	1.83	2.00	2.24	2.50	2.78
Raw Material					
(20 Days requirement)	2.20	2.54	2.91	3.31	3.74
Closing Stock	4.03	4.54	5.15	5.81	6.52

COMPUTATION OF WORKING CAPITAL REQUIREMENT

Particulars	Amount	Margin(10%)	Net
			Amount
Stock in Hand	4.03		
Less:			
Sundry Creditors	0.77		
Paid Stock	3.26	0.33	2.93
Sundry Debtors	2.30	0.23	2.07
Working Capital Requi	rement		5.00
Margin			0.56
MPBF			5.00
Working Capital Dema	nd		5.00

BREAK UP OF LABOUR

Particulars		Wages	No of	Total
		Per Month	Employees	Salary
Supervisor		20,000.00	1	20,000.00
Plant Operator		15,000.00	1	15,000.00
Unskilled Worker		8,500.00	6	51,000.00
Helper		5,000.00	2	10,000.00
Security Guard		7,500.00	1	7,500.00
				102 500 00
Add 400/ Friend Donafit				103,500.00
Add: 10% Fringe Benefit				10,350.00
Total Labour Cost Per Month				113,850.00
Total Labour Cost for the year (In Rs. Lakhs)	•		11	13.66

BREAK UP OF SALARY

Particulars	Salary	No of	Total
	Per Month	Employees	Salary
Accountant cum store keeper	10,000.00	1	10,000.00
Administrative Staffs	12,500.00	2	25,000.00
Total Salary Per Month			35,000.00
Add: 10% Fringe Benefit			3,500.00
Total Salary for the month			38,500.00
Total Salary for the year (In Rs. Lakhs)		3	4.62

COMPUTATION OF DEPRECIATION

Description	Land	Building/shed	Plant & Machinery	Furniture	TOTAL
Rate of Depreciation			15.00%	10.00%	
Opening Balance	Ov	vn/Rented	-	-	-
Addition	-		15.50	1.50	17.00
	-		15.50	1.50	17.00
TOTAL		-	15.50	1.50	17.00
Less : Depreciation	-	-	2.33	0.15	2.48
WDV at end of 1st year	-	-	13.18	1.35	14.53
Additions During The Year	-	-	-	-	-
	-	-	13.18	1.35	14.53
Less : Depreciation	-	-	1.98	0.14	2.11
WDV at end of IInd Year	-	-	11.20	1.22	12.41
Additions During The Year	-	-	-	-	-
	-	-	11.20	1.22	12.41
Less : Depreciation	-	-	1.68	0.12	1.80
WDV at end of Illrd year	-	-	9.52	1.09	10.61
Additions During The Year	-	-	-	-	-
	•	-	9.52	1.09	10.61
Less : Depreciation	-	-	1.43	0.11	1.54
WDV at end of IV year	-	-	8.09	0.98	9.08
Additions During The Year	-	-	-	-	-
	-	-	8.09	0.98	9.08
Less : Depreciation	-	-	1.21	0.10	1.31
WDV at end of Vth year	-	-	6.88	0.89	7.76

'ear	Particulars	Amount	Addition	Total	Interest	Repayment	CI Balance
	Opening Balance						
	Ist Quarter	_	15.30	15.30	0.42	_	15.30
	lind Quarter	15.30	-	15.30	0.42	_	15.30
	Illrd Quarter	15.30	_	15.30	0.42	0.85	14.45
	lvth Quarter	14.45	- -	14.45	0.42	0.85	13.60
	TVIII Quarter	17.70		14.40	1.66	1.70	10.00
	Opening Balance				1.00	1.70	
	Ist Quarter	13.60	-	13.60	0.37	0.85	12.75
	lind Quarter	12.75	-	12.75	0.35	0.85	11.90
	IIIrd Quarter	11.90	_	11.90	0.33	0.85	11.05
	lvth Quarter	11.05		11.05	0.30	0.85	10.20
					1.36	3.40	
l	Opening Balance						
	Ist Quarter	10.20	_	10.20	0.28	0.85	9.35
	lind Quarter	9.35	_	9.35	0.26	0.85	8.50
	IIIrd Quarter	8.50	_	8.50	0.23	0.85	7.65
	lvth Quarter	7.65		7.65	0.21	0.85	6.80
•					0.98	3.40	
V	Opening Balance						
	Ist Quarter	6.80	-	6.80	0.19	0.85	5.95
	lind Quarter	5.95	-	5.95	0.16	0.85	5.10
	IIIrd Quarter	5.10	-	5.10	0.14	0.85	4.25
	Ivth Quarter	4.25		4.25	0.12	0.85	3.40
					0.61	3.40	
1	Opening Balance						
	Ist Quarter	3.40	-	3.40	0.09	0.85	2.55
	lind Quarter	2.55	-	2.55	0.07	0.85	1.70
	IIIrd Quarter	1.70	-	1.70	0.05	0.85	0.85
	lvth Quarter	0.85		0.85	0.02	0.85	0.00
					0.23	3.40	

Door to Door Period60MonthsMoratorium Period6MonthsRepayment Period54Months

CALCULATION OF D.S.C.R

PARTICULARS	ı	II	III	IV	V
<u>CASH ACCRUALS</u>	4.56	5.50	8.11	10.60	13.06
Interest on Term Loan	1.66	1.36	0.98	0.61	0.23
Total	6.22	6.85	9.09	11.20	13.29
REPAYMENT					
Repayment of Term Loan	1.70	3.40	3.40	3.40	3.40
Interest on Term Loan	1.66	1.36	0.98	0.61	0.23
Total	3.36	4.76	4.38	4.01	3.63
DEBT SERVICE COVERAGE RATIO	1.85	1.44	2.08	2.80	3.66
AVERAGE D.S.C.R.			2.32		

COMPI	ITATION	OF FLECTRICITY	
CONT	JIAIKJN	OF ELECTRICITY	

(A) DOWED CONNECT		ī		
(A) POWER CONNECTI	<u>ON</u>			
Tatal Manda a Harrana	-1	11		
Total Working Hour per	day	Hours	8	
Electric Load Required		KW	40	
Load Factor				
Electricity Charges		per unit	7.50	
Total Working Days			300	
Electricity Charges				7.20
Add : Minimim Charges	(@ 10%)			
(B) DG set				
No. of Working Days			300	days
No of Working Hours			0.5	Hour per day
Total no. of Hour			150	
Diesel Consumption pe			8	
Total Consumption of D	iesel		1,200	
Cost of Diesel			65.00	Rs. /Ltr
Total cost of Diesel			0.78	
Add: Lube Cost @15%			0.12	
Total			0.90	
Total cost of Power & Fu	lel at 100%			8.10
Total boot of 1 bwor d 1 b	101 41 100 70			0.10
Year		Capacity		Amount
				(in Lacs)
I		50%		4.05
II		55%		4.45
III		60%		4.86
IV		65%		5.26
V		70%		5.67



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