

Milk & Dairy Processing Business Ideas.

Production of Ghee, Khoa (Khoya), Dairy Cream, Toned Milk 3% Fat, Thandai and Shrikhand.

Milk Packaging and Distribution

Introduction

Milk is a valuable nutritious food that has a short shelf-life and requires careful handling. Milk is highly perishable because it is an excellent medium for the growth of microorganisms – particularly bacterial pathogens – that can cause spoilage and diseases in consumers. Milk processing allows the preservation of milk for days, weeks or months and helps to reduce food-borne illness. India is one of the world's largest producer and consumer of milk. It contributes to almost 9.5% of the global milk production.



Processing of dairy products gives small-scale dairy producers higher cash incomes than selling raw milk and offers better opportunities to reach regional and urban markets. Milk processing can also help to deal with seasonal fluctuations in milk supply. The transformation of raw milk into processed milk and products can benefit entire communities by generating off-farm jobs in milk collection, transportation, processing and marketing.



Ghee

Ghee is a form of highly-clarified butter that is traditionally used in Asian cooking. Like butter, ghee is typically made from cow's milk. Ghee is made by melting regular butter. The butter separates into liquid fats and milk solids. Once separated, the milk solids are removed, which means that ghee has less lactose than butter. Traditionally, ghee has been used as cooking oil, an ingredient in dishes, and in Ayurveda therapies. Ghee is still used in Ayurvedic massage and as a base for herbal ointments to treat burns and rashes.

Ghee is great for deep or pan frying. It can be used when toasting spices, as opposed to dry roasting, when making authentic Indian dishes. This technique results in a richer version of the spice's original flavor. Ghee can be thought of simply as a more durable, more flavorful butter replacement, and can be used as a condiment you spread on toast or toss with vegetables.

A more traditional variation of ghee worth trying is flavored ghee, made by adding ginger, peppercorns, cumin, or other spices at the very beginning of the clarifying process.

Khoa

A concentration of milk to one-fifth volume is normal in the production of khoa. Khoa is used as the base for a wide variety of Indian sweets. About 600,000 metric tons are produced annually in India. Khoa is made from both cow and water buffalo milk. Khoa is made by simmering full-fat milk in a large, shallow iron pan for several hours over a medium fire. The gradual evaporation of its water content leaves only the milk solids. The ideal temperature to avoid scorching is about 80°C (180°F). Another quick way of making khoa is to add full fat milk powder to skimmed milk and mixing and heating until it becomes thick.

Cream

Cream is a dairy product composed of the higher-butterfat layer skimmed from the top of milk before homogenization.

The dairy cream market is driven by the growing food processing industry and increasing household consumption. The other major factors driving the market demand are changing food preferences towards processed food, and the growing population and rapid urbanization. The high production costs and health consciousness leading to low-fat consumption are found to be obstacles for the industry.



Toned Milk

Toned milk is a method, developed in India, of treating buffalo milk by adding skim milk, powdered skim milk and water to buffalo milk. This process decreases the fat content, increases the quantity of available milk, and 'tones up' the non-fat solids level to the original amount.

Thandai

Thandai is a refreshing milk based beverage specifically associated with the Holi festival. During dry summer winds, Thandai makes you feel cooler and have many other health benefits as well.



Shrikhand

Shrikhand is a popular, classic, thick and delectable Indian yoghurt sweet commonly known all over India especially in the states of Gujarat and Maharashtra. It is one of the prime sweet delicacies from the Gujarati and Maharashtrian cuisines made with hung & strained yoghurt flavoured with saffron and cardamom. Shrikhand is one such excellent and luscious Indian sweet served during festivals, feast or get together.



Market Outlook

The milk processing industry in India will rise at an overall compound annual growth rate (CAGR) of 20.5%, and will be worth USD 53.17 billion by 2020.

India has always been the largest producer (an estimated 400 million litre per day currently) and consumer of milk in the world. But it remained a boring market largely because the per capita consumption was low, and most of the milk was consumed in its basic, liquid form, or at best as ghee and some butter.

Out of the 400 million litres of milk that India produces per day, 160 million litres per day (48 per cent) is retained by the producers for their own consumption. The surplus milk that is available for sale is around 240 million litres per day.

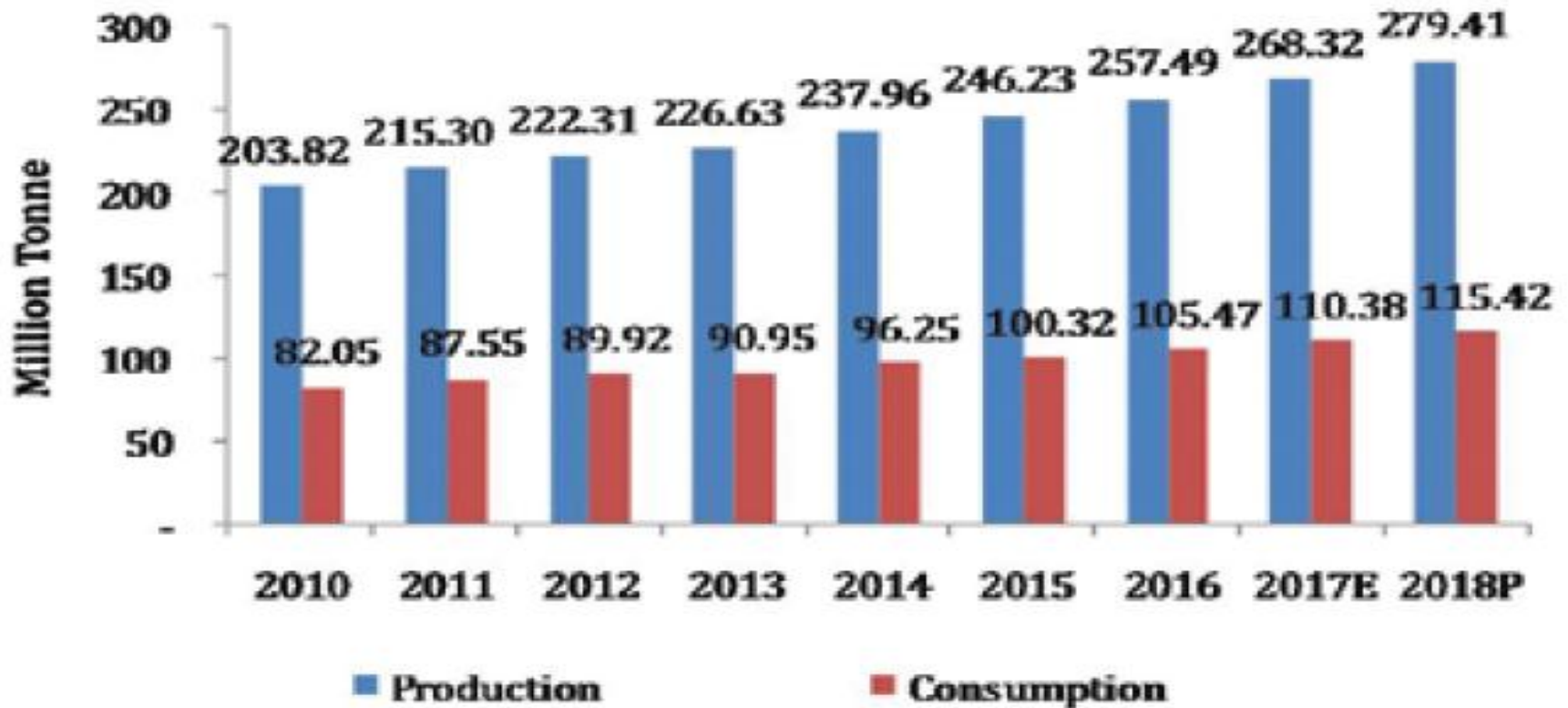
Along with offering profitable business opportunities, the dairy industry in India serves as a tool of socio-economic development. On the other hand, the private participation in the Indian dairy sector has also increased over the past few years. Both national and international players are entering the dairy industry, attracted by the size and potential of the Indian market. The focus is being given to value-added products such as cheese, yogurt, probiotic drinks, etc. They are also introducing innovative products keeping in mind the specific requirements of the Indian consumers.

The factors which have contributed to this growth are increasing population, rising disposable incomes, health consciousness among the consumers, government initiatives, etc.

Some of the major factors driving the growth of the Indian dairy market are rising working-population, increasing disposable incomes and health consciousness among the consumers. Additionally, the government is also taking active participation in advancing and promoting dairy farming practices to promote the production and quality of milk. Milk production is a very important element of the whole dairy chain.



India's Production and Consumption of Dairy Products

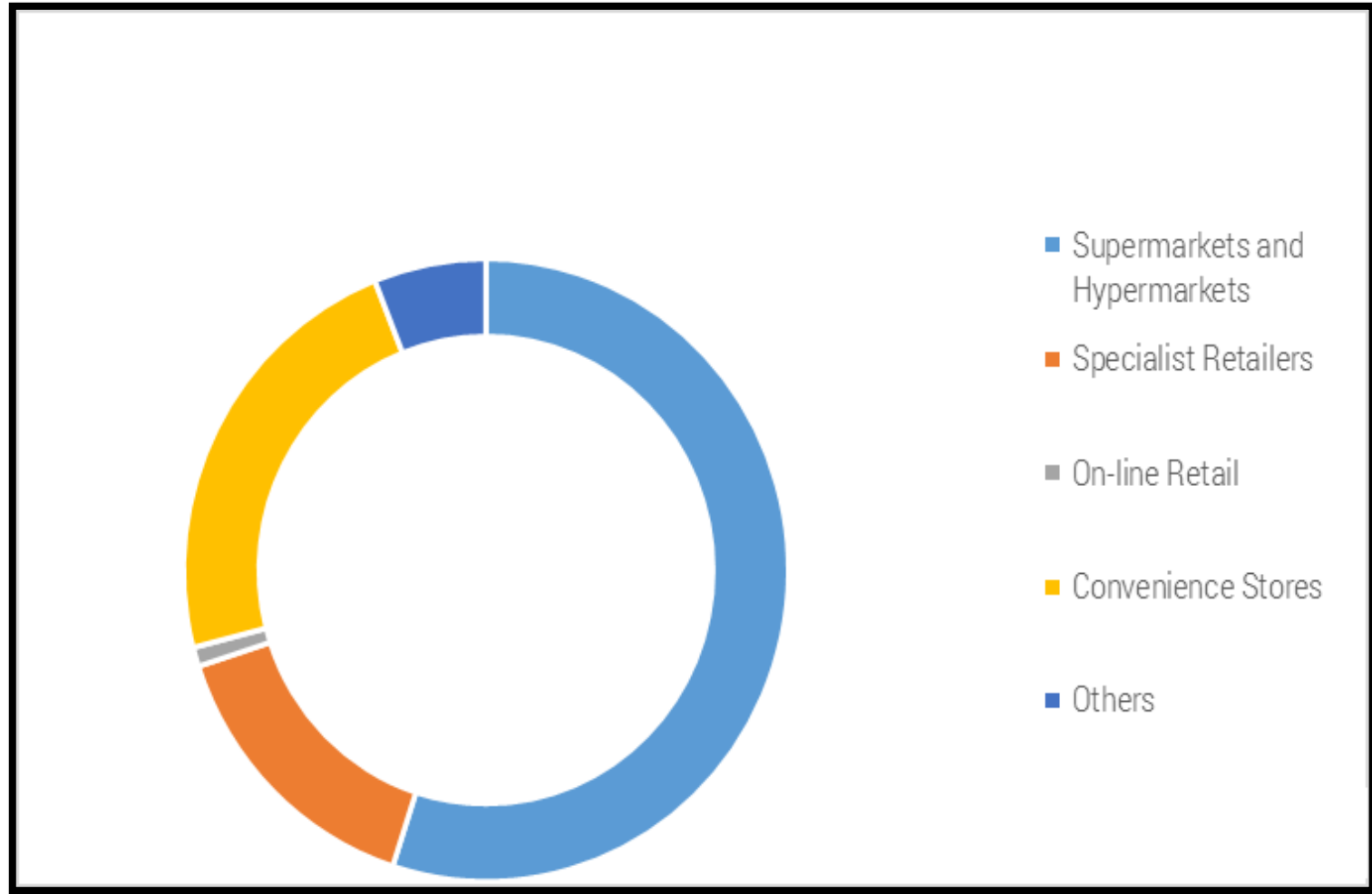


Over the next five years, changing lifestyles of urban population and rising demand for healthy and convenient dairy products is anticipated to play an instrumental role in the growth of India dairy products market.

In addition, value-added dairy products have larger shelf life than raw milk. Value-added products help your company become more viable, more visible to the public and open up new markets.

The global dairy market was USD 413.8 billion in 2017, and is expected to register a decent growth rate during the forecast period. The global dairy sale has surpassed 192,884 million kg in 2017, with milk accounting for the largest category. The global dairy market observed a volume growth of 1.8% during the past five years.

Global Dairy Market, By Distribution Channel 2017



Increasing population, rising demand for dairy products from developing countries and improvements in operational efficiency are some of the key factors favoring the market growth. In addition, emerging economies due to changing consumer dietary patterns will offer significant growth opportunities. However, increasing shares of value-added products (VADPs) in overall dairy products is restricting the market growth.



Ghee

Ghee, which is widely used in Indian cooking, is the pure butter fat left over after the milk solids and water are removed from butter. It is very fragrant with a rich nutty taste and represents the second largest consumed dairy product in India, after liquid milk.

The ghee market in India has witnessed a strong growth in recent years. Some of the factors which have contributed in influencing the market growth are increasing disposable incomes, expanding distribution channels and introduction of organic ghee.

The taste, texture, and color of the ghee depend on the quality of butter, source of milk, and duration of boiling. In Ayurveda, ghee is considered as a vital medicine for healing wounds, improving digestion, reducing free radicals, and boosting immune system. It can be kept at room temperature for several weeks without refrigeration.

The consumption of ghee has increased, as it is rich in fat soluble vitamins A, D, & E, helps in building strong bones, improves digestion, and reduces inflammation. The plethora of health benefits and high penetration in the emerging market are the key drivers of the market growth. Further, high disposable income and population boom are expected to present lucrative opportunities to market players. However, overconsumption of ghee could lead to cardiovascular diseases, which in turn is key factor affecting the market growth during the forecast period.

The healthy growth of the market can be attributed to numerous forces. Population growth, rising disposable incomes, easy availability, and growing awareness about the benefits of ghee are some of the factors that are broadening the growth aspects of the market.

The global ghee market is segmented based on application and geography. On the basis of application, it is divided into household and industrial. Geographically, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

In 2017, the global Ghee market size was million US\$ and is forecast to million US in 2025, growing at a CAGR of from 2018.



Dairy Cream

The global dairy cream market is expected to reach USD XX billion by 2023, growing at a 3.6% CAGR during the forecast period 2018-2023. Germany, Russia, Canada, and France were the leading dairy cream consuming markets, together accounting for approximately more than 40% of global consumption. These countries were also the leading producers of fresh cream in the world.

Based on the cream type, the market is segmented into dairy cream and vegetable cream. The dairy cream market is further segmented into fresh cream, whipping cream, half and half cream, sour cream, double cream, and others. Fresh cream is leading in the dairy cream market for food service industry. It is appropriate for spooning and is broadly utilized as a part of cookery, progressively well known in Britain. The vegetable cream is further segmented into soybean, coconut, palm kernel, and others.

The soybean cream is the leading segment in the vegetable cream market for food service industry.

The dairy cream market is driven by the growing food processing industry and increasing household consumption. The other major factors driving the market demand are changing food preferences towards processed food, and the growing population and rapid urbanization. The high production costs and health consciousness leading to low-fat consumption are found to be obstacles for the industry. Innovative product development with low trans-fat and organic cream products are expected to be further growth opportunities in this industry.

Toned Milk 3% Fat

Toned milk is often used in areas where milk production is extremely low. In these cases, untreated milk tends to be high in fat, and mechanical removal of the milk-fat would be cost-prohibitive. Buffalo milk has a fat content of about 7-8%, and contains calcium and a non-fat solids content of 9-10%. By reducing the fat content to 3% through the toning process, the available milk quantity is nearly tripled.

Toned milk contains lesser fat as compared to full cream milk. Nevertheless, it continues to maintain the nutritional content. If we take the fat content into consideration, one glass of toned milk contains 80 calories, which is half of the calorie content of full-cream milk. It is a rich source of calcium and is good for your bones and teeth.

Double-toned milk: It is obtained by taking milk through the toning process twice, reducing the fat content of milk even further. Double-toned milk is ideal for weight conscious, calorie counting people. Double-toned milk is more nutritious than toned milk.

Milk Packaging Market

Packaging of milk is the process of using suitable vessels to carry, protect and merchandise milk. Condensed milk, fresh milk, skimmed milk, evaporated milk and flavored milk are packaged in a broad range of packaging types such as cans, bottles, pouches, etc. Milk packaging has transformed from the conventional methods to new and advanced techniques. Depending on the convenience of consumers, milk packaging is done through several types of specialized containers such as tetra packs.

Earlier, glass bottles were widely used for milk packaging, although, currently, only a minor proportion of glass bottles are being utilized in milk packaging.

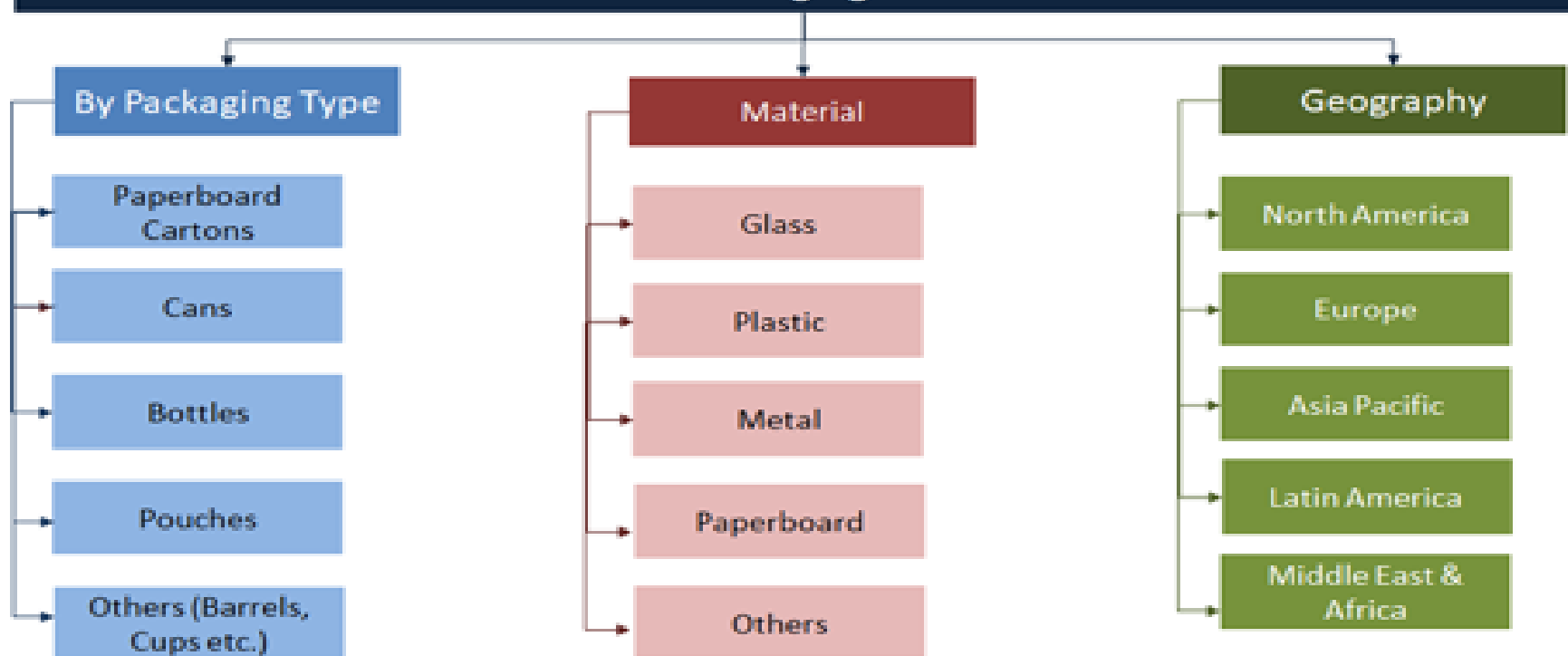
Thermoformed plastic packaging products such as bottles and pouches are being widely used for milk packaging owing to their high stability, resistance to UV rays and resistance to a broad range of temperatures. Also, cartons prepared from plastic or wax coated paperboard are being most widely used for milk packaging.



Global Milk Packaging Market was valued at \$36,157 million in 2016, and is expected to reach at \$49,809 million by 2023, registering a CAGR of 4.6% from 2017 to 2023. Packaging is a method of using components and containers to carry, protect, identify, and enable merchandising of products. Apart from providing safety and hygiene of products, it enables differentiation of products of two distinct companies or competitors. Moreover, increase in demand for single serve milk packs is estimated to fuel the growth of the global milk packaging market during the forecast period. In addition, several health & nutritional benefits associated with the use of packaging materials have fueled the demand for milk in the recent years, which is expected to drive the global market during the forecast period.

Global Milk Packaging Market Segmentation

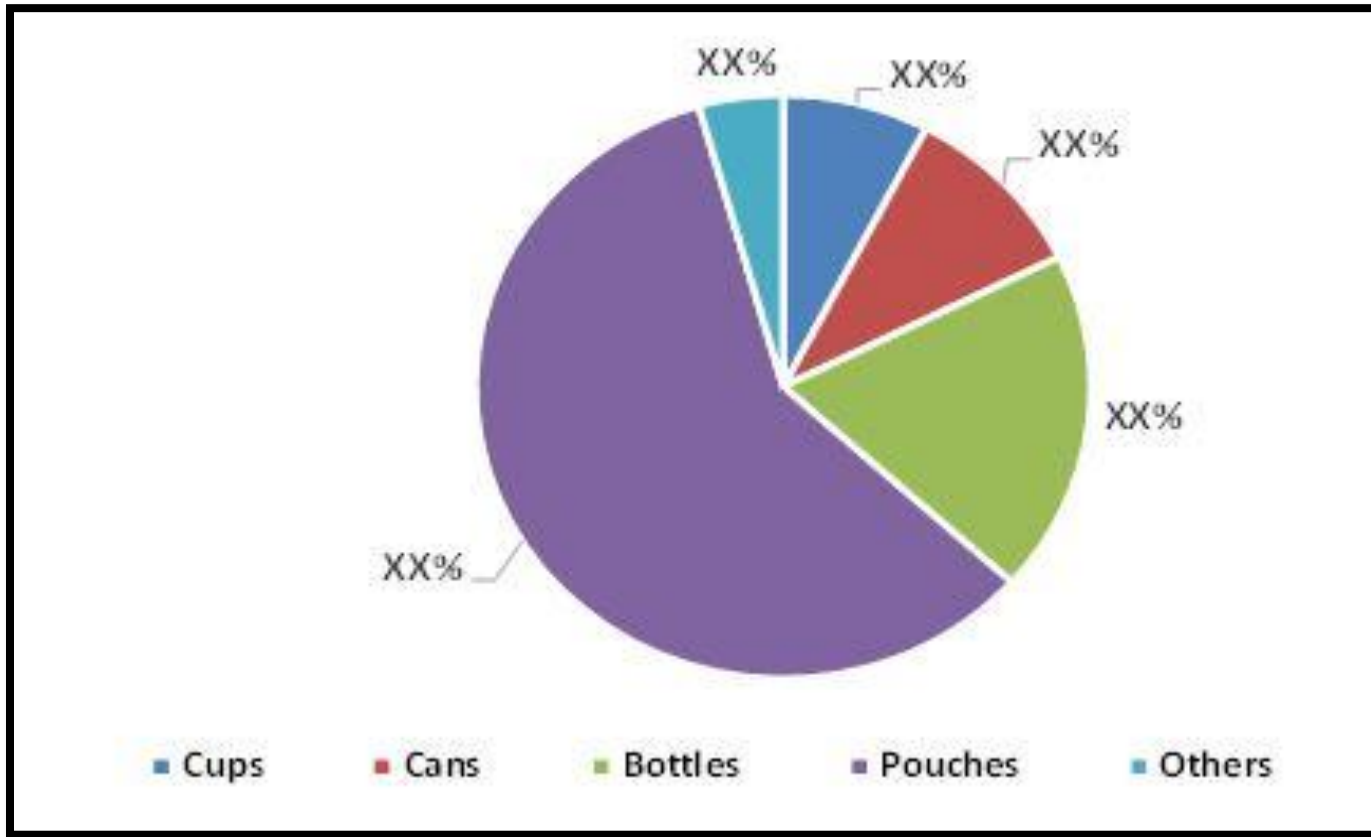
Milk Packaging Market



The packaging of milk is an important aspect to protect, carry, and market in order to sustain its freshness and convenient form of the product. There are various packaging types which are used for packaging milk, such as bottles, cans, and pouches. The trends associated with the packaging types vary with respect to country and region.

For example, in Germany, the milk is usually packed in cartons whereas in the US the milk is also packed in pouches. There are diverse reasons for good packaging of milk like safety, information, ease of storage & handling, and distribution damages. The rise in production of milk across the globe is expected to have a positive impact on the market growth over the forecast period. Furthermore, the correct choice of packaging material in accordance with the weather conditions helps in ascending shelf life of the product which is likely to boost the utilization.

Milk Packaging Market Share, by Packaging Type, 2016 (%)



Growth of the global milk packaging market is driven by factors such as increasing number of small households – due to which consumers prefer single serve packs of consumer goods – particularly for milk and other dairy products. Moreover, increasing number of health conscious consumers in various countries is driving demand for milk as a source of calcium, minerals, vitamin D, and protein.

Availability of various flavoured milk products in the market is another factor expected to stimulate growth of the global milk packaging market during the forecast period. In addition, increasing population and per capita disposable income is expected to drive sales of packaged milk products in future. Moreover, various applications of milk for preparing food products is a factor expected to drive growth of the milk packaging market during the forecast period.

Machinery Photographs



Roller Conveyor



Can Tipping Bar



Dump Tank



Weighing Scale with weigh Bowl

Project at a Glance

PROJECT AT A GLANCE								(in lacs)
COST OF PROJECT				MEANS OF FINANCE				
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total	
Land & Site Development Exp.	0.00	2.50	2.50	Capital	0.00	127.25	127.25	
Buildings	0.00	97.50	97.50	Share Premium	0.00	0.00	0.00	
Plant & Machineries	0.00	227.30	227.30	Other Type Share Capital	0.00	0.00	0.00	
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00	
Office Automation Equipments	0.00	43.00	43.00	Cash Subsidy	0.00	0.00	0.00	
Technical Knowhow Fees & Exp.	0.00	15.00	15.00	Internal Cash Accruals	0.00	0.00	0.00	
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	381.74	381.74	
Preliminary & Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds Unsecured	0.00	0.00	0.00	
Provision for Contingencies	0.00	21.00	21.00	Loans/Deposits	0.00	0.00	0.00	
Margin Money - Working Capital	0.00	91.69	91.69					
TOTAL	0.00	508.99	508.99	TOTAL	0.00	508.99	508.99	

Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS				Per Share	Per Share				
	`	`	`	`	`	%	`	%	`	s	%
1-2	5.02	9.29	15.02	24.00	0.00	100.00	5.02	0.00	5.02	1.00	0.00
2-3	8.18	11.88	23.20	18.00	0.00	100.00	8.18	0.00	8.18	1.00	0.00
3-4	11.27	14.48	34.47	12.00	0.00	100.00	11.27	0.00	11.27	1.00	0.00
4-5	14.20	16.99	48.68	6.00	0.00	100.00	14.20	0.00	14.20	1.00	0.00
5-6	16.96	19.39	65.63	0.00	0.00	100.00	16.96	0.00	16.96	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / Equity - Deposits Debt	Assets - Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio	
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio			
	(Number of times)			(Number of times)		%	%	%	%	%		%			
Initial				3.00	3.00										
1-2	1.35	1.35		1.60	1.60	3.43		9.50%	4.46%	3.29%	746.38	38.48%	2.33	1.13	
2-3	1.68	1.51		0.78	0.78	2.15		11.18%	6.89%	4.60%	695.18	30.72%	2.46	1.27	
3-4	2.07	1.68	2.07	0.35	0.35	1.41		12.29%	8.59%	5.54%	790.31	30.56%	2.47	1.44	
4-5	2.53	1.87		0.12	0.12	0.96		13.01%	9.76%	6.21%	885.44	30.44%	2.41	1.64	
5-6	3.08	2.07		0.00	0.00	0.69		13.46%	10.55%	6.68%	980.57	30.33%	2.30	2.08	

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	59.08%
Total BEP (% of Installed Capacity)	62.23%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	29.28%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	14.978

Major Queries/Questions Answered in the Report?

- 1. What is Milk Processing industry ?**
- 2. How has the Milk Processing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Milk Processing Plant ?**
- 4. What are the requirements of Working Capital for setting up Milk Processing plant ?**

- 5. What is the structure of the Milk Processing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Milk Processing Business?**
- 7. What are the operating costs for setting up Milk Processing plant ?**
- 8. What are the machinery and equipment requirements for setting up Milk Processing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Milk Processing plant ?**
- 10. What are the requirements of raw material for setting up Milk Processing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Milk Processing Business?**
- 12. What is the Manufacturing Process of Dairy Products?**

13. What is the total size of land required for setting up Milk Processing plant ?

14. What will be the income and expenditures for Milk Processing Business?

15. What are the Projected Balance Sheets of Milk Processing plant ?

16. What are the requirement of utilities and overheads for setting up Milk Processing plant?

17. What is the Built up Area Requirement and cost for setting up Milk Processing Business?

18. What are the Personnel (Manpower) Requirements for setting up Milk Processing Business?

19. What are Statistics of Import & Export for Milk and Dairy Products?

20. What is the time required to break-even of Milk Processing Business?

21. What is the Break-Even Analysis of Milk Processing plant?

22. What are the Project financials of Milk Processing Business?

- 23. What are the Profitability Ratios of Milk Processing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Milk Processing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Milk Processing plant?**
- 26. What is the Process Flow Sheet Diagram of Milk Processing project?**

- 27. What are the Market Opportunities for setting up Milk Processing plant?**
- 28. What is the Market Study and Assessment for setting up Milk Processing Business?**
- 29. What is the Plant Layout for setting up Milk Processing Business?**

Table of Contents of the Project Report

1. PROJECT LOCATION

- 1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
 - 1.1.1. General
 - 1.1.2. Geography
 - 1.1.3. Administration Setup
 - 1.1.4. Map
 - 1.1.5. Land Use Pattern
 - 1.1.6. Economic
 - 1.1.7. Transportation

2. INTRODUCTION

3. FOOD SAFETY & STANDARDS

- 3.1. FSSAI STANDARDS FOR MILK
- 3.2. FSSAI STANDARDS FOR MILK POWDER

4. FACTORS AFFECTING THE COMPETITIVENESS OF THE DAIRY SECTOR

- 4.1. DEMAND CONDITIONS
- 4.2. MARKET STRUCTURE
- 4.3. FACTOR CONDITIONS
- 4.4. RELATED SUPPORTING INDUSTRIES
- 4.5. GOVERNMENT AND THE ENABLING ENVIRONMENT
- 4.6. THE POLICY HISTORY
- 4.7. POLICY AND REGULATORY ISSUES

5. FOUR DAIRY ENTERPRISE MODELS

6. COMPARATIVE ANALYSIS OF THE FOUR VALUE CHAINS

- 6.1. DEMAND CONDITIONS
- 6.2. MARKET STRUCTURE AND GOVERNANCE
- 6.3. FACTOR CONDITIONS
- 6.4. RELATED AND SUPPORTING INDUSTRIES

7. B.I.S. SPECIFICATIONS

- 7.1. IS: 1000 – MILK AND MILK PRODUCTS - LACTOSE COMMERCIAL
- 7.2. IS: 1165 - MILK POWDER (BI-LINGUAL)
- 7.3. IS: 1166 – CONDENSED MILK, PARTLY SKIMMED AND SKIMMED CONDENSED MILK
- 7.4. IS: 13334: PART 2 - SKIM MILK POWDER - PART 2: EXTRA GRADE
- 7.5. IS: 14542 – PARTLY SKIMMED MILK POWDER
- 7.6. IS: 5163 – SWEET CREAM BUTTER MILK POWDER

8. MARKET SURVEY

- 8.1. HIGHLIGHTS OF THE INDIAN DAIRY MARKET
- 8.2. OPPORTUNITIES AND CHALLENGES IN THE INDIAN DAIRY INDUSTRY
- 8.3. MILK PROCESSING
- 8.4. DOMESTIC CONSUMPTION
- 8.5. KEY AREAS OF CONCERN IN THE DAIRY INDUSTRY
- 8.6. NEW CHALLENGES OF GLOBALISATION AND TRADE
- 8.7. INDIAN DAIRY INDUSTRY
- 8.8. EMERGING SITUATION
- 8.9. MAJOR PLAYER

9. EXPORT & IMPORT: ALL COUNTRIES

- 9.1. EXPORT: ALL COUNTRIES FOR MILK & CREAM
- 9.2. EXPORT: ALL COUNTRIES FOR MELTED BUTTER GHEE

- 9.3. EXPORT: ALL COUNTRIES FOR MILK CONSTANTS
- 9.4. EXPORT: ALL COUNTRIES FOR SOFT DRINK – SHABBAT
- 9.5. EXPORT: ALL COUNTRIES FOR OTHER (COLD MILK CREAM ETC)
- 9.6. IMPORT: ALL COUNTRIES FOR MILK CREAM
- 9.7. IMPORT: ALL COUNTRIES FOR MELTED BUTTER GHEE
- 9.8. IMPORT: ALL COUNTRIES FOR MILK CONSTANTANS
- 9.9. IMPORT: ALL COUNTRIES FOR SOFT DRINK – SHABBAT
- 9.10. IMPORT: ALL COUNTRIES FOR OTHER (COLD MILK CREAM ETC)

10. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

- 10.1. ABOUT FINANCIAL STATEMENTS OF CMIE DATABASE
- 10.2. PROFITS & APPROPRIATIONS
- 10.3. TOTAL LIABILITIES
- 10.4. TOTAL ASSETS
- 10.5. NET CASH FLOW FROM OPERATING ACTIVITIES
- 10.6. SECTION – I
 - 10.6.1. Name of Company with Contact Details
 - 10.6.2. Name of Director(S)
 - 10.6.3. Credit Ratings
 - 10.6.4. Plant Capacity
 - 10.6.5. Location of Plant
 - 10.6.6. Name of Raw Material(S) Consumed With Quantity & Cost
- 10.7. SECTION – II
 - 10.7.1. Assets
 - 10.7.2. Cash Flow
 - 10.7.3. Cost as % Ge of Sales
 - 10.7.4. Growth in Assets & Liabilities

- 10.7.5. Growth in Income & Expenditure
- 10.7.6. Income & Expenditure
- 10.7.7. Liabilities
- 10.7.8. Liquidity Ratios
- 10.7.9. Profitability Ratio
- 10.7.10. Profits
- 10.7.11. Return Ratios
- 10.7.12. Structure of Assets & Liabilities (%)
- 10.7.13. Working Capital & Turnover Ratios

11. COMPANY PROFILE OF MAJOR PLAYERS

12. EXPORT STATISTICS DATA OF INDIA

- 12.1. EXPORT STATISTICS DATA FOR DAIRY PRODUCT

13. PRESENT MANUFACTURERS

14. TONED MILK

- 14.1. MANUFACTURING PROCESS
- 14.2. PROCESS FLOW DIAGRAM

15. CREAM

- 15.1. MANUFACTURING PROCESS
- 15.2. PROCESS FLOW DIAGRAM

16. GHEE

- 16.1. MANUFACTURING PROCESS
- 16.2. PROCESS FLOW DIAGRAM

- 17. KHOA**
17.1. TYPES OF KHOA
17.2. USES OF KHOA
17.3. MANUFACTURING PROCESS
17.4. PROCESS FLOW DIAGRAM

- 18. THANDAI**
18.1. VARIOUS TYPES
18.2. BENEFITS
18.3. RAW MATERIAL DETAILS
18.4. RECIPE OF THANDAI
18.5. MANUFACTURING PROCESS
18.6. PROCESS FLOW DIAGRAM

- 19. SHRIKHAND**
19.1. MANUFACTURING PROCESS
19.2. PROCESS FLOW DIAGRAM

20. INDUSTRY SWOT ANALYSIS

- 21. BUYER'S LIST**
21.1. CONTACT DETAILS OF BUYER'S
21.2. NAME OF DIRECTOR(S)
21.3. PLANT CAPACITY

- 21.4. LOCATION OF PLANT
- 21.5. COMPANY WISE CONSUMPTION DETAIL OF THE RAW MATERIALS

22. SUPPLIERS OF PLANT & MACHINERY

23. SUPPLIERS OF RAW MATERIAL

24. PHOTOGRAPHS/IMAGES FOR REFERENCE

- 24.1. PRODUCT PHOTOGRAPHS
- 24.2. MACHINERY PHOTOGRAPHS
- 24.3. RAW MATERIAL PHOTOGRAPHS

25. PLANT LAYOUT

26. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIER

Project Financials

Project at a Glance	Annexure
• Assumptions for Profitability workings	1
• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	

- **Plant & Machinery.....5**
 - Indigenous Machineries**
 - Other Machineries (Miscellaneous, Laboratory etc.)**

- **Other Fixed Assets.....6**
 - Furniture & Fixtures**
 - Pre-operative and Preliminary Expenses**
 - Technical Knowhow**
 - Provision of Contingencies**

- **Working Capital Requirement Per Month.....7**
 - Raw Material**
 - Packing Material**
 - Lab & ETP Chemical Cost**
 - Consumable Store**

- **Overheads Required Per Month and Per Annum.....8**
Utilities & Overheads (Power, Water and Fuel Expenses etc.)
Royalty and Other Charges
Selling and Distribution Expenses

- **Salary and Wages9**

- **Turnover Per Annum10**

- **Share Capital.....11**
Equity Capital
Preference Share Capital



- **Annexure 1 :: Cost of Project and Means of Finance**
- **Annexure 2 :: Profitability and Net Cash Accruals**
 - **Revenue/Income/Realisation**
 - **Expenses/Cost of Products/Services/Items**
 - **Gross Profit**
 - **Financial Charges**
 - **Total Cost of Sales**
 - **Net Profit After Taxes**
 - **Net Cash Accruals**

• **Annexure 3 :: Assessment of Working Capital requirements**

- **Current Assets**
- **Gross Working Capital**
- **Current Liabilities**
- **Net Working Capital**
- **Working Note for Calculation of Work-in-process**

• **Annexure 4 :: Sources and Disposition of Funds**

- **Annexure 5 :: Projected Balance Sheets**

- **ROI (Average of Fixed Assets)**
- **RONW (Average of Share Capital)**
- **ROI (Average of Total Assets)**

- **Annexure 6 :: Profitability Ratios**

- **D.S.C.R**
- **Earnings Per Share (EPS)**
- **Debt Equity Ratio**

• **Annexure 7 :: Break-Even Analysis**

- **Variable Cost & Expenses**
- **Semi-Variable/Semi-Fixed Expenses**
- **Profit Volume Ratio (PVR)**
- **Fixed Expenses / Cost**
- **B.E.P**

- **Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume**

- **Resultant N.P.B.T**
- **Resultant D.S.C.R**
- **Resultant PV Ratio**
- **Resultant DER**
- **Resultant ROI**
- **Resultant BEP**

• **Annexure 12 :: Shareholding Pattern and Stake Status**

- **Equity Capital**
- **Preference Share Capital**

• **Annexure 13 :: Quantitative Details-Output/Sales/Stocks**

- **Determined Capacity P.A of Products/Services**
- **Achievable Efficiency/Yield % of Products/Services/Items**
- **Net Usable Load/Capacity of Products/Services/Items**
- **Expected Sales/ Revenue/ Income of Products/ Services/ Items**

- **Annexure 14** :: **Product wise Domestic Sales Realisation**
- **Annexure 15** :: **Total Raw Material Cost**
- **Annexure 16** :: **Raw Material Cost per unit**
- **Annexure 17** :: **Total Lab & ETP Chemical Cost**
- **Annexure 18** :: **Consumables, Store etc.**
- **Annexure 19** :: **Packing Material Cost**
- **Annexure 20** :: **Packing Material Cost Per Unit**

- **Annexure 21** :: **Employees Expenses**
- **Annexure 22** :: **Fuel Expenses**
- **Annexure 23** :: **Power/Electricity Expenses**
- **Annexure 24** :: **Royalty & Other Charges**
- **Annexure 25** :: **Repairs & Maintenance Expenses**
- **Annexure 26** :: **Other Manufacturing Expenses**
- **Annexure 27** :: **Administration Expenses**
- **Annexure 28** :: **Selling Expenses**

- **Annexure 29 :: Depreciation Charges – as per Books (Total)**
- **Annexure 30 :: Depreciation Charges – as per Books (P & M)**
- **Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)**
- **Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)**
- **Annexure 33 :: Interest and Repayment - Term Loans**
- **Annexure 34 :: Tax on Profits**
- **Annexure 35 :: Projected Pay-Back Period and IRR**

Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Milk Processing and Dairy Products (Ghee, Khoa, Cream, Toned Milk 3% Fat, Thandai, Shrikhand).” provides an insight into Milk & Dairy market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Milk & Dairy project. The report assesses the market sizing and growth of the Indian Milk & Dairy Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Milk & Dairy sector in India along with its business prospects. Through this report we have identified Milk & Dairy project as a lucrative investment avenue.

Tags

#Milk_Processing_Business_Ideas, #How_to_Start_a_Milk_Processing_Plant_in_India, #Milk_Processing, #Milk_Packaging_Business, #Milk_Processing_and_Packaging, Milk Processing Unit, How to Start a Dairy Milk Plant, #Dairy_Processing_and_Packaging, Dairy Products in India, Milk Processing Plant Costs, Processing of Milk in Dairy Industry, Setting up Mini Milk Processing Plant, Milk and Dairy Products, How to Start a Successful Dairy Business, Milk Packaging, Packaging, Storage and Distribution of Processed Milk, Dairy Processing Industry, Small Scale Milk Processing Plant, Milk Processing Business, Dairy Industry, Dairy Products Manufacturing Process Pdf, Business of Milk Packaging, How to Set up a Milk Processing Plant Pdf, Processing of Milk and Milk Products, Milk Processing Plant Layout Pdf, Milk & Dairy Processing and Packaging Plant, Packaging Milk and Milk Products, Ghee Manufacturing, Ghee Production Plant in India, Ghee Manufacturing Unit, Ghee Production Plant, How to Make Ghee, Manufacture of Ghee, Ghee Manufacturing Plant, Production of Ghee, Dairy Product Production,

How to Start a Ghee Manufacturing Unit, Ghee Making Unit, Ghee Manufacturing Plant Project Report, Cost of Ghee Processing Business, Project Profile on Dairy Products, Preparation of Khoa, Manufacturing of Khoa, Start a Khoa Making Business, Khoya Making Business, Khoa Production, Production of Cream from Milk, Cream Processing, Dairy Production and Products, Manufacture of Dairy Products, Milk Cream Manufacturing Process, Milk and Cream Processing, Toned Milk, Toned and Double Toned Milk, Shrikhand Manufacturing, Flowchart of Preparation of Shrikhand, Shrikhand Making Business, Shrikhand Manufacture, Thandai Manufacture, Project Report on Milk Packaging and Distribution, #Detailed_Project_Report_on_Milk_Packaging_Business, #Project_Report_on_Milk_Packaging_Business, Pre-Investment Feasibility Study on Milk Processing Business, Techno-Economic feasibility study on Milk Processing Business, #Feasibility_report_on_Milk_Packaging_Business, Free Project Profile on Milk Packaging Business, #Project_profile_on_Milk_Packaging_Business, Download free project profile on Milk Processing Business

Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
Milk & Dairy Processing Business Ideas.
Production of Ghee, Khoa (Khoya), Dairy
Cream, Toned Milk 3% Fat, Thandai and
Shrikhand.
Milk Packaging and Distribution

See more

<https://goo.gl/ps7bZg>

<https://goo.gl/h8HLtU>

<https://goo.gl/Xi72hx>



Visit us at

www.entrepreneurindia.co



www.entrepreneurindia.co

**Take a look at
Niir Project Consultancy Services
on #Street View**

<https://goo.gl/VstWkd>

*Locate us on
Google Maps*

<https://goo.gl/maps/BKkUtq9gevT2>

OUR CLIENTS

Our inexhaustible Client list includes public-sector companies, Corporate Houses, Government undertaking, individual entrepreneurs, NRI, Foreign investors, non-profit organizations and educational institutions from all parts of the World. The list is just a glimpse of our esteemed & satisfied Clients.

Click here to take a look
<https://goo.gl/G3ICjV>

Free Instant Online Project

Identification and Selection Service

Our Team has simplified the process for you by providing a "Free Instant Online Project Identification & Selection" search facility to identify projects based on multiple search parameters related to project costs namely: Plant & Machinery Cost, Total Capital Investment, Cost of the project, Rate of Return% (ROR) and Break Even Point % (BEP). You can sort the projects on the basis of mentioned pointers and identify a suitable project matching your investment requisites.....[Read more](#)

Download Complete List of Project

Reports:

▪ Detailed Project Reports

NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.



And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,

Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](#)



Contact us

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,

New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , www.niir.org

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



Niir PROJECT CONSULTANCY SERVICES

An ISO 9001:2015 Company



Who are we?

- *One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services*
- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*

We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.



We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.



What do we offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Market Research Reports*
- *Business Plan*
- *Technology Books and Directory*
- *Industry Trend*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

How are we different ?

- *We have two decades long experience in project consultancy and market research field*
- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Contact us

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , www.niir.org

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

<https://goo.gl/VstWkd>



Follow us



➤ <https://www.linkedin.com/company/niir-project-consultancy-services>



➤ <https://www.facebook.com/NIIR.ORG>



➤ <https://www.youtube.com/user/NIIRproject>



➤ <https://plus.google.com/+EntrepreneurIndiaNewDelhi>



➤ https://twitter.com/npcs_in



➤ <https://www.pinterest.com/npcsindia/>





For more information, visit us at:

www.niir.org

www.entrepreneurindia.co