

# Value-Added Dairy Products.

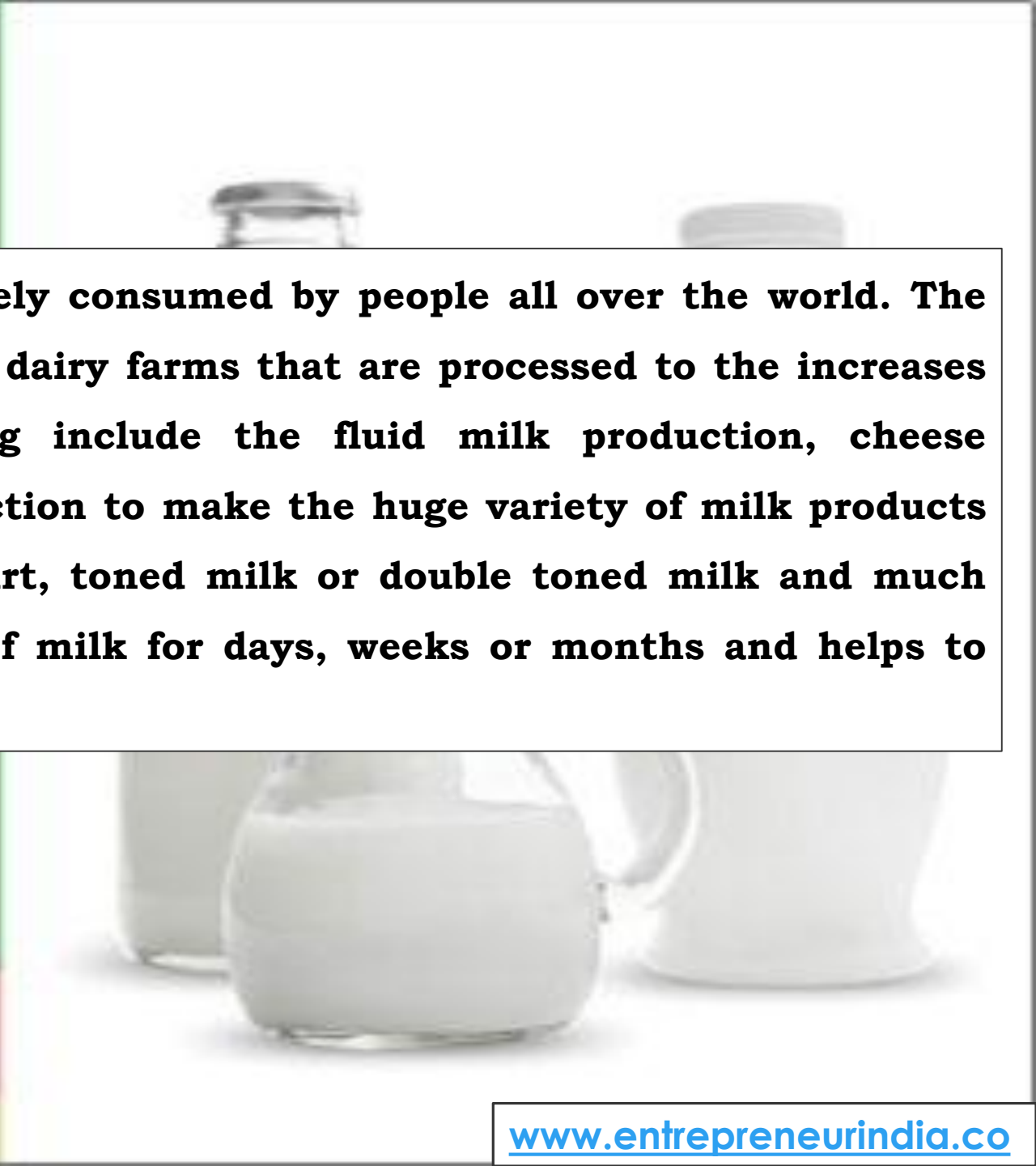
## Milk and Milk Products.

### Production of Dairy Foods & Beverages



## Introduction

**Milk is the most valuable protein food that widely consumed by people all over the world. The milk as a raw food is easily available on various dairy farms that are processed to the increases the variety of nutrients. The milk processing include the fluid milk production, cheese production, yogurt production, ice cream production to make the huge variety of milk products like cheese, butter, cream, skimmed milk, yogurt, toned milk or double toned milk and much more. Milk processing allows the preservation of milk for days, weeks or months and helps to reduce food-borne illness.**





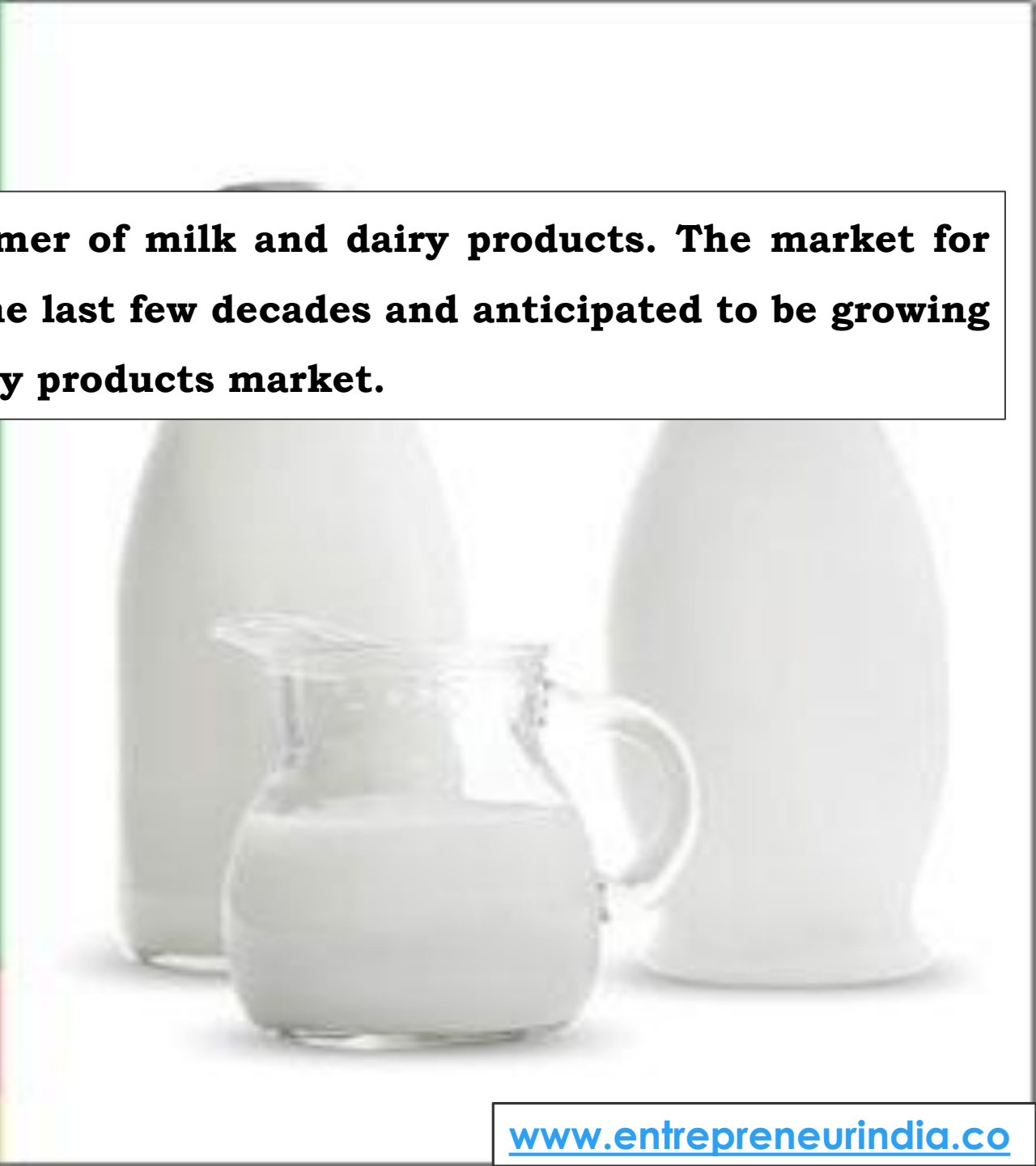
**Processing of dairy products gives small-scale dairy producers higher cash incomes than selling raw milk and offers better opportunities to reach regional and urban markets. Milk processing can also help to deal with seasonal fluctuations in milk supply. The transformation of raw milk into processed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

## **Advantages of Milk Processing**

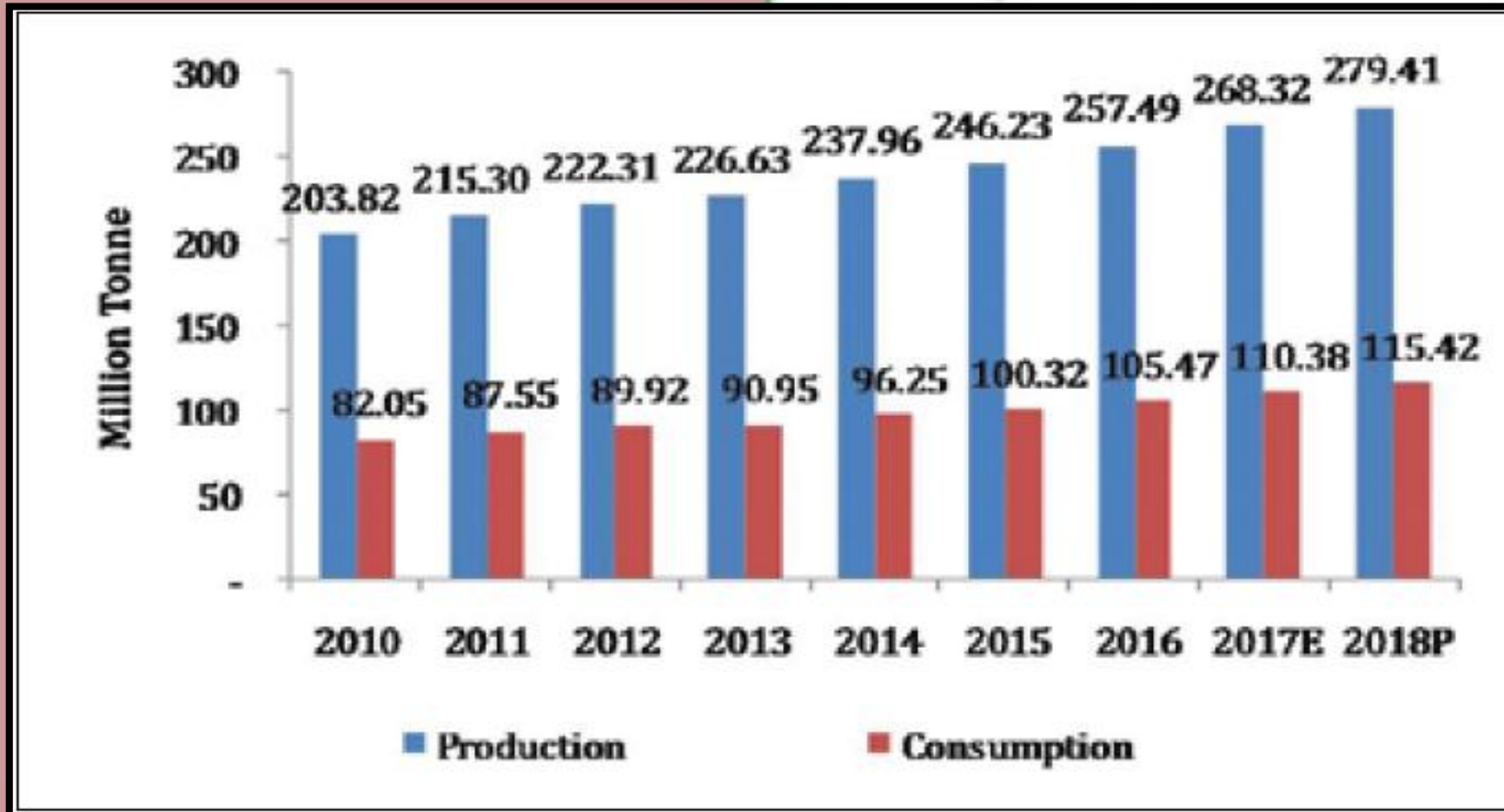
- Provides regular income**
- Improves nutrition**
- Selling processed milk products is more profitable than selling fresh milk**
- Generates employment**
- Improves quality and safety**



**India is the world's largest producer and consumer of milk and dairy products. The market for dairy products in India has grown rapidly over the last few decades and anticipated to be growing at a faster rate when compared to the global dairy products market.**



# India's Production and Consumption of Dairy Products





**The global dairy product market is expected to witness significant growth over the forecast period. Growing world population base, rise in per capita income, and increase in consumer awareness level regarding nutritional values of dairy products and, change in consumer dietary patterns are the key drivers regulating the market growth. In addition, technological advancements and innovations for obtaining more milk from dairy animals are also estimated to boost market growth.**

**Demand for milk and milk products such as cheese and butter is increasing daily with increase in world population. High-end technology is required to meet these needs by increasing the milk processing capacity and maintaining the quality of the product. The dairy industry is highly localized owing to perishable nature of milk products.**

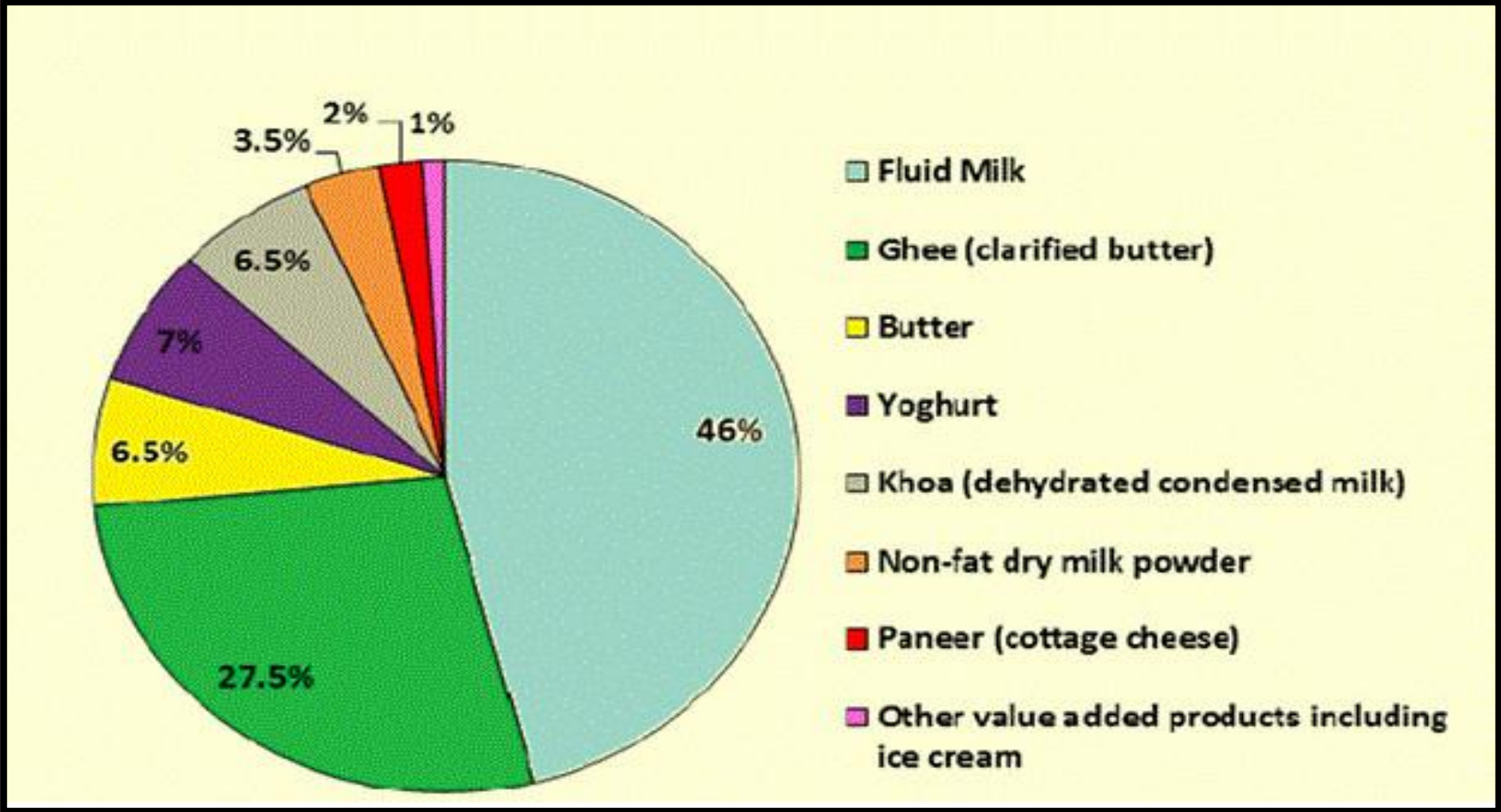




**The market is segmented on the basis of type of product. It includes milk, butter, cheese, ice cream and yoghurt. Among these products, milk, cheese and lactose are estimated to hold major share of the market owing to their rising demand and increased usage rates in all levels of population. Rising consumption levels of foods such as ice creams and milk shakes are also anticipated to drive market growth over the forecast period.**



# Indian Dairy Consumption, By Product Type







**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.**

**Few of the leading players operating in India dairy products market include Gujarat Cooperative Milk Marketing Federation Ltd., National Dairy Development Board, Karnataka Cooperative Milk Producers Federation Ltd., and Tamil Nadu Co-operative Milk Producers' Federation Limited, among others.**

## List of few Milk Processing Business Ideas:

### ➤ Skimmed Milk Powder

**Milk is an important human food. It is palatable, easy to digest and highly nutritive. It contains proteins, fat, sugar, minerals and a liberal quantity of different kinds of vitamins. In World milk production, India ranks next only to the United States of America and the U.S.S.R. But the milk produced in India is far from adequate for its vast population as the daily average consumption per head comes to even less than half of the optimum requirement of about 310 grams. Milk and milk products are supplied as fresh milk products, concentrates, and dry products. [Read more](#)**



## ➤ Dairy Milk Processing with Power Plant

Milk and milk products have been used by man since prehistoric times. Butter making was recorded as far back as 2000 B.C. It is through that cheese making was discovered accidentally and initially developed in Iraq Circa 6000-7000 B.C. and spread with the migration of populations due to famines, conflicts and invasions. Examples of this are the development and the introduction of cheese making into England by the Romans. Fermented milks have been prepared for more than 2000 years. In this project report we have dealt with milk processing and making Butter, Ghee, Skimmed Milk Powder, Whole Milk Powder, Khoa, Curd, Paneer, Flavoured Milk, Full Cream, Toned & skimmed milk in pouches etc. along with co-generation Power Plant. [Read more](#)





## ➤ **Pasteurised Milk Packaging**

**Milk is an essential food for children as well as for all the human beings. There is large demand of milk throughout the world. In India and China milk demand is maximum due to their high population. There is maximum milk consumption per head in USA. For milk pasteurisation and packaging technology and plant is available in India. Due to scarcity of the milk throughout the year, there is a good demand of packed milk. There is a good scope for new entrepreneurs. [Read more](#)**



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➤ **Milk Processing (Flavored Milk (Chocolate), Milk in Pouches, Curd, Flavored Yogurt, Ghee, Paneer & Butter)**

**Milk is the normal product of mammary gland secretion. Milk is a complex, nutritious product that contains more than 100 substances that are either in solution, suspension or emulsion in water. The fat and fat soluble vitamins in the milk are in the form of an emulsion; that is, a suspension of small liquid globules that do not mix with the water in milk; Lactose (milk sugar), some proteins (whey protein), mineral salts and other substances are soluble; that is, they are entirely dissolved in the water in milk. Extremes of temperature, acidity (pH) or contamination by microorganisms can rapidly decrease its quality. [Read more](#)**





## ➤ Dairy Products & Milk Packaging in Pouches

Dairy products are basically based on Milk. India ranks next only to USA & USSR in world milk production. There are a number of dairy products like butter, cream, cheese, Khoya, Paneer, flavored milk etc. There is always a greater demand for milk and dairy products among people. Ghee and butter are used for ice-cream manufacture, as cooking fat, in the confectionery industry etc. Paneer is consumed directly and in hotels and restaurants. There is huge market for Indian milk products. Key concern for setting up a dairy plant would be regular and timely supply to the market, consistency in quality and reasonable pricing are all essential to build up a strong market and brand equity. [Read more](#)





## ➤ Cow and Buffalo Milk (UHT) Plant

**Every person needs good health and for good health we need good proteins. In these cases milk is the best way to achieve good health. This is the best source of vitamin and Enzymes. Milk is an opaque white liquid produced by the mammary glands of mammals. It provides the primary source of nutrition for young mammals before they are able to digest the other types of food. The exact components of raw milk varies by species, but it contains, significant amounts of saturated fat, protein and calcium as well as vitamin C. [Read more](#)**





## ➤ Dairy Farming for Milk

**In India dairying has been practiced as a rural cottage, since the remote past. Semi commercial dairying started with the establishment of military dairy farms and cooperative milk unions throughout the country. To meet the demand of the increasing population milk production in India has to be increased. The importance of milk in human diet especially for children and expectant and nursing matter is vital. Now-a-days there are greater demand of butter, ghee, cheese, skimmed milk and other dairy products. [Read more](#)**



## ➤ Premixed Tea and Coffee with Sugar and Milk Powder

**Coffee and tea are important in any office. Working professionals feel the need for these beverages intermittently during their hectic schedule. Increasing labor costs and the need for instant availability have brought in vending machines. With this in mind, many companies have installed beverage vending machines to provide their employees refreshments. Rapid urbanization is resulting in a lifestyle that is enhancing the time spent Out of Home working (in offices and institutions), waiting (in railway stations, airports, bus terminals) or playing (in malls, theaters, parks, beaches etc.). [Read more](#)**





## ➤ **Milk Powder (SMP, WMP and Dairy Whitener)**

**Powdered milk is a dairy product produced from cow milk. Cow milk basically contains water, fats, protein sugar and ash. About 86% to 88% of cow milk by weight is water. Milk powder is prepared by skimming the milk whereby a considerable but proportional cream substance is extracted before it is powdered. The processed milk powder, after some vitamins are added is packed in fully galvanized metal cans or plastic bags. Skimmed milk powder is deficient in fat and fat soluble vitamins but the proteins, water-soluble vitamins and minerals are preserved.**

[Read more](#)





## ➤ Dairy Farming & Dairy Products (Pasteurised Milk & Curd)

**In India dairying has been practiced as a rural cottage industry since the remote past. Semi commercial dairying started with the establishment of military dairy farms and cooperative milk unions throughout the country towards the end of the Nineteenth century. However market milk technology may be considered to have commenced in 1950, with the functioning of the Central Dairy of Aarey milk colony, and milk product technology in 1956 with the establishment of AMUL Dairy, Anand. The importance of milk in human diet especially for children and expectant and nursing matters is vital. [Read more](#)**





## ➤ Toffee, Candy & Milk Chocolate

**Chocolate is a key ingredient in many foods such as milk shakes, candy bars, cookies and cereals. Chocolate, candy and gum are some of people's best-loved treats. These sweets have been enjoyed around the world for thousands of years. Early man developed a taste for sweets by digging honey from beehives. The confectionery category includes products such as chocolate, gum, sugar confectionery, gummies/jellies, hard candy, toffee and fudge. The main reasons for purchasing are convenience, passive health, age, choice and pleasure. [Read more](#)**





## ➤ Ice Cream of Different Flavors

**Ice cream is defined as a frozen dairy product made by suitable blending and processing of cream and other milk products together with sugar, flavor, stabilizer and incorporation of air by agitating during the freezing process. Today ice cream may be considered a luxury food item although its popularity is increasing rapidly. Ice cream is consumed more in cities, however occasionally, particularly in meetings and social gatherings, it is being used even in villages and towns. [Read more](#)**





## ➤ Chocolates

**Chocolates is the favorite item of children. Chocolates and Cocoa products supply proteins, fats, Carbohydrates, Vitamins and Minerals. Its primary feature is solid at room temperature and yet melt rapidly in the mouth a 37C giving a liquid with appears smooth to the tongue. If production costs of Cocoa are reduced, there is good export potential on this front. The increasing Craze and demand for Chocolate, not only in children but the adults as well, surely provides the investor, a good market potential in the field. [Read more](#)**



## ➤ Cheese Analogues

**Cheese is basically milk product, which is manufactured from milk by acidulation and then by filtration. The precipitate is cheese, there are few seeds and cereals grain contains highly soluble protein, fat and carbohydrate. By grinding and mixing with water, it forms substitute of animal (cow, buffalo) milk. Cheese prepared from this milk is called analogues cheese. Basic raw materials are groundnut, soybean etc., for manufacturing of analogue cheese, which are sufficiently available in India throughout the year. [Read more](#)**







## ➤ Ice Cream & Ice Candy

**Ice-cream, though of a comparatively recent origin, is a popular food item among people. It is a frozen dairy product made by suitable blending and processing of ice-cream and other milk products together with sugar, flavor, stabilizer and air during agitation. Good quality and balanced ingredients are essential for manufacture of high quality ice cream, together with intelligent freezing and hardening of product. The process of production is simple and most of the production nowadays is being done by large and small scale industries. [Read more](#)**



## ➤ **Baby Cereal Food**

**Food is mainly composed of three main groups of constituents i.e., carbohydrates, Fat & Protein. The baby cereal food is that enriched food which has a requisite level of nutrition. This requisite level is prescribed by various dieticians & physicians for children. Food products are derived from single grains or blends of mixed grains combined with other ingredients for flavour and nutritional fortification. Materials used by various manufacturers in addition to the grains include melt, milk powder, vegetable oil, wheat germ, sugar, cotton seed flour, dried yeast, a form of iron such as sodium pyrophosphate and B vitamin thiamin. [Read more](#)**



## ➤ **Vanaspati Ghee**

**The synthetic fats are known in India by different names such as Vanaspati, Dalda Ghee, and Hydrogenated Oil etc. Perhaps because vanaspati ghee is manufactured with vegetable oils and there is not much change in the components of vegetable oil after it has undergone the process of refining and hydrogenation, the name Vanaspati has been given to this refined oil. It has become one of the essential commodities of the masses, and has replaced the pure ghee because of its cheapness as compared to the pure ghee. [Read more](#)**



## ➤ Peanut Butter

**Peanut butter is not “butter” but butter like product made from ground nut or peanut. It consists essentially of cleaned, graded, blanched, roasted and crushed groundnuts containing about 45 percent of oil and over 25 percent of proteins, being thus a highly nutritive food. Since India occupies the first position both in regard to the area and the production of groundnut, in the world, it is bound to explore all the qualitative values of groundnut, and use it to the maximum.**

[Read more](#)



## ➤ Ghee Manufacturing Unit

**Ghee, also referred to as clarified butter, is a good alternative to cooking oil and is often used in Indian and Middle Eastern dishes. It is very fragrant and has a rich nutty taste. Ghee is solid at room temperature but can easily be melted if necessary. Many people prefer cooking with ghee over butter because it does not burn as easily as butter. 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. [Read more](#)**



## Tags

Milk Processing, Dairy Industry, Dairy Production and Products, Milk Processing & Dairy Products, Milk Processing Business, Milk Processing Plant, Dairy Processing Industry, How to Start a Dairy Milk Plant, Dairy Products in India, Milk and Milk Products (Dairy Products), Uses of Milk & Milk Products, Processing of Milk and Milk Products, Milk and Milk Products Processing Plant, Milk Processing and Dairy Products, Value-Added Processing of Milk, Value Added Dairy Products, Value Addition in Milk, Value-Added Dairy Processing, Value-Added Processing, Value Added Products from Milk in India, Dairy Processing in India, Dairy Foods & Beverages, Dairy Foods, What Products are Made from Milk? Dairy Product Manufacture, Production of Peanut Butter, Peanut Butter Manufacturing Unit, Peanut Processing, Peanut Butter Production Process Pdf, Small Scale Peanut Butter Production, Baby Cereal Food Manufacturing Industry, Baby Food Cereal Manufacturing Plant, Ice Candy Manufacturing Plant, Ice Cream & Ice Candy Manufacturing Plant, Ice Candy Production, Ice Candy Making Business, Production of Analogue Cheeses, Production of Processed Analogue Block Cheese, Production of Cheese Analogues, Production of Chocolate, How to Make Chocolate, Chocolate Making Process, Chocolate Manufacturing Process Pdf, Chocolate Production Process Flow Chart, Production of Ice Cream of Different Flavors, Ice Cream Production, Ice Cream Manufacturing, How to Start Ice Cream Manufacturing Business, Toffee, Candy & Milk Chocolate Manufacturing Plant, Candy Manufacturing Process, Toffee Manufacturing Process Pdf, Toffee Production, Toffees & Caramels Confectionery Production, Production of Milk Powder (SMP, WMP and Dairy Whitener), Cow Milk Dairy Farm, Dairy Farming in India,





How to Start a Dairy Farm and Packaging Storage of Processed Milk, Food Packaging and Preservation, Packaging and Storing of Milk, Skimmed Milk Powder Production, Milk Powder Production, Skim Milk Powder, Powdered Milk, Milk Powder Manufacturing Process, How to make Skimmed Milk Powder, Skimmed Milk Powder Manufacturing Process, Milk Powder Production Process PPT, Milk Powder Production Process Pdf, Milk Powder Production Flow Chart, Dairy Milk Processing with Power Plant, Pasteurised Milk Packaging, Pasteurized Milk, Dairy Processing, Milk Processing (Flavored Milk (Chocolate), Milk in Pouches, Curd, Flavored Yogurt, Ghee, Paneer & Butter), Dairy Products & Milk Packaging in Pouches, Cow and Buffalo Milk (UHT) Plant, Dairy Farming for Milk, Premixed Tea and Coffee with Sugar and Milk Powder, Milk Powder (SMP, WMP and Dairy Whitener), Dairy Farming & Dairy Products (Pasteurised Milk & Curd), Toffee, Candy & Milk Chocolate, Ice Cream of Different Flavors, Chocolates, Cheese Analogues, Ice Cream & Ice Candy, Baby Cereal Food, Vanaspati Ghee, Peanut Butter, Ghee Manufacturing Unit, Project Report on Milk and Milk Products Processing Industry, Detailed Project Report on Milk and Milk Products Processing, Project Report on Milk and Milk Products Processing, Pre-Investment Feasibility Study on Milk and Milk Products Processing, Techno-Economic feasibility study on Milk and Milk Products Processing, Feasibility report on Milk and Milk Products Processing, Free Project Profile on Milk and Milk Products Processing, Project profile on Milk and Milk Products Processing, Download free project profile on Milk and Milk Products Processing



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## Major Queries/Questions Answered in Our Report?

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

- 5. What is the total project cost for setting up the plant?**
- 6. What are the operating costs for setting up the plant?**
- 7. What are the machinery and equipment requirements for setting up the plant?**
- 8. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up the plant?**
- 9. What are the requirements of raw material for setting up the plant?**

- 10. Who are the Suppliers and Manufacturers of Raw materials for setting up the plant?**
- 11. What is the Manufacturing Process of the plant?**
- 12. What is the total size of land required for setting up the plant?**
- 13. What will be the income and expenditures for the plant?**
- 14. What are the Projected Balance Sheets of the plant?**

- 15. What are the requirement of utilities and overheads for setting up the plant?**
- 16. What is the Built up Area Requirement and cost for setting up the plant?**
- 17. What are the Personnel (Manpower) Requirements for setting up the plant?**
- 18. What are Statistics of Import & Export for the Industry?**
- 19. What is the time required to break-even?**



- 20. What is the Break-Even Analysis of the plant?**
- 21. What are the Project financials of the plant?**
- 22. What are the Profitability Ratios of the plant?**
- 23. What is the Sensitivity Analysis-Price/Volume of the plant?**
- 24. What are the Projected Pay-Back Period and IRR of the plant?**
- 25. What is the Process Flow Sheet Diagram of the plant?**
- 26. What are the Market Opportunities for setting up the plant?**
- 27. What is the Market Study and Assessment for setting up the plant?**
- 28. What is the Plant Layout for setting up the plant?**



## Reasons for Buying Our Report:

- **The 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**
- **The report provides vital information on the product like it's characteristics and segmentation**
- **The report helps you market and place the product correctly by identifying the target customer group of the product**



- **The 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**
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**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**

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# Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation



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