

Production Business of

Milk Powder

(Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea)

Introduction

Powdered milk, also known as milk powder or previously dried milk, is a dairy product that is created by drying milk. One reason for drying milk is to preserve it; milk powder has a much longer shelf life than liquid milk and, due to its low moisture content, does not need to be refrigerated. Another goal is to lower its bulk to improve transportation efficiency.

Dry whole milk, nonfat (skimmed) dry milk, dry buttermilk, dry whey products, and dry dairy blends are examples of powdered milk and dairy products. Many dairy products that are exported meet the Codex Alimentarius requirements. Powdered milk is used in biotechnology as well as for food and health (nutrition).



Infant formula, also known as baby formula, baby milk, infant milk, or first milk, is a manufactured food designed and marketed for feeding to babies and infants under the age of 12 months. It is usually prepared from powder or liquid for bottle-feeding or cup-feeding. Infant formula is defined as "a product that purports to be or is represented for special dietary use primarily as a food for infants by reason of its simulation of human milk or its suitability as a whole or partial substitute for human milk" by the US Federal Food, Drug, and Cosmetic Act (FFDCA).

Uses of Milk Powder

Powdered milk is commonly used in the production of newborn formula, confectionary like chocolate and caramel candy, and baked goods recipes where liquid milk would make the result too thin.

Powdered milk is also used in a variety of sweets, including the famous Indian milk balls known as gulab jamun and the iconic Indian sweet treat known as chum chum (sprinkled with desiccated coconut) (made with skim milk powder).

Powdered milk is used in many no-cook nut butter recipes to keep the nut butter from turning liquid by absorbing the oil.

- Milk powder contains nearly the same amount of proteins (26%) and carbs (37%) as liquid milk, however the water content is reduced to just 3%. However, depending on the commercially accessible brand, the fat percentage ranges from 25 to 28 percent.**

- **Casein, a milk protein, is supposed to activate the entire body and aid muscle protein production.**
- **Vitamins A and D are also added to milk powder. Vitamin A aids in the creation of bones, whereas Vitamin D aids in the improvement of vision. Both vitamins are essential for the preservation and repair of skin.**
- **It contains calcium, which aids in the growth and preservation of teeth and bones throughout life.**

Uses of Infant Formula

Breastfeeding is sometimes medically contraindicated. These are some of them:

- ***Health of The Mother:*** The mother is HIV-positive or suffers from active TB. She is very sick or has undergone some types of breast surgery that may have removed or severed all of the breast's milk-producing components.

She is using any medicine that could harm the baby, including both prescription and illicit drugs like cytotoxic chemotherapy for cancer treatment.

- ***Breastfeeding is Not Possible For The Baby:***

Breastfeeding is difficult or impossible for the infant due to a birth abnormality or inborn metabolic error such as galactosemia.

- ***Baby is at Risk of Malnutrition:*** Infants may be at risk of malnutrition in certain circumstances, such as iron/vitamin deficiency, or inadequate nutrition during the transition to solid foods.

Improved diet and knowledge of moms and caregivers, as well as the availability of macro and micronutrients, can often decrease risks.

- ***Food Allergies:*** The mother consumes foods that may cause the infant to have an allergic reaction.
- ***Financial Constraints:*** Maternity leave is either underpaid, insufficient, or not available. Breastfeeding is hampered by the mother's job. Breastfeeding mothers may see a decrease in their earning ability.

Market Outlook

From 2018 to 2025, the global milk powder market is expected to increase at a CAGR of 4.4 percent, from \$27,783.3 million in 2017 to \$38,086.1 million in 2025. Milk powder is a dry dairy product made by evaporating milk to dehydrate it. Making milk powder has the goal of extending the shelf life of milk without the need of a refrigerator. Whole milk powder, skimmed milk powder, dairy whitener, and various varieties of milk powder are available.

It is commonly consumed around the world due to its nutritional benefits, and it has been used in infant formulae, confectionaries, baked pastries, and savoury dishes. The global milk powder market is driven by factors such as an increase in the usage of milk powder in infant foods and the availability of many nutrients such as vitamin C, vitamin B12, thiamin, and high levels of protein. Furthermore, the milk powder business is growing due to lower storage and transportation costs.

The inclusion of preservatives, adulteration, and tight infant food rules, on the other hand, limit the expansion of the milk powder business. The development of flavoured milk powder has opened up new commercial potential. Dehydrating milk by roller drying and spray drying produces milk powder. Milk powder is made from several types of milk, which defines the composition of the powder.

Whole milk powder, skimmed milk powder, dairy whitener, buttermilk powder, fat-filled milk powder, and others make up the milk powder market, according to the research. Many consumers believe that whole milk is the most natural kind of milk, but it is less popular among individuals who are concerned about their weight or who are on a particular diet.



Key Players

1.D S P I Milk Foods Ltd.

2.Haryana Milk Foods Ltd.

3.Herman Milkfoods Ltd.

4.K K Milk Fresh India Ltd.

5.Kamdhenu Foods Ltd.

6.Kwality Ltd.

7.Markandeshwar Foods & Allied Products Ltd.

Machinery Photographs



Storage Tank



Duplex Filter



Feeding Pump

Project at a Glance

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COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	25.00	25.00	Capital	0.00	677.80	677.80
Buildings	0.00	846.00	846.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	948.00	948.00	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	18.00	18.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	133.00	133.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	50.00	50.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	2033.40	2033.40
Preliminary & Pre-operative Exp	0.00	10.00	10.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	89.80	89.80	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	591.40	591.40				
TOTAL	0.00	2711.20	2711.20	TOTAL	0.00	2711.20	2711.20

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				
										No.of Times	
						%		%			%
1-2	6.27	10.13	16.27	24.00	0.00	100.00	6.27	0.00	6.27	1.00	0.00
2-3	8.85	12.21	25.13	18.00	0.00	100.00	8.85	0.00	8.85	1.00	0.00
3-4	11.47	14.41	36.60	12.00	0.00	100.00	11.47	0.00	11.47	1.00	0.00
4-5	14.04	16.60	50.64	6.00	0.00	100.00	14.04	0.00	14.04	1.00	0.00
5-6	16.52	18.76	67.15	0.00	0.00	100.00	16.52	0.00	16.52	1.00	0.00

Year	D. S. C. R.			Debt / - Deposit s Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulati ve	Overall					GPM	PBT	PAT	Net Contrib ution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.47	1.47		1.47	1.47	4.14	6.35%	3.34%	2.31%	2891.17	15.71 %	3.27	1.14	
2-3	1.76	1.61		0.72	0.72	2.71	6.94%	4.25%	2.79%	2679.66	12.48 %	3.42	1.23	
3-4	2.11	1.76	2.11	0.33	0.33	1.89	7.34%	4.93%	3.17%	3045.96	12.41 %	3.43	1.34	
4-5	2.52	1.93		0.12	0.12	1.39	7.61%	5.42%	3.45%	3412.26	12.36 %	3.38	1.46	
5-6	3.00	2.11		0.00	0.00	1.07	7.80%	5.77%	3.65%	3778.56	12.32 %	3.27	1.71	

BEP**BEP - Maximum Utilisation Year****5****Cash BEP (% of Installed Capacity)****46.09%****Total BEP (% of Installed Capacity)****50.11%****IRR, PAYBACK and FACR****Internal Rate of Return .. (In %age)****29.27%****Payback Period of the Project is (In Years)****2 Years 3 Months****Fixed Assets Coverage Ratio (No. of times)****26.561**

Major Queries/Questions Answered in the Report?

- 1. What is Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing industry ?**
- 2. How has the Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing Plant ?**

- 4. What are the requirements of Working Capital for setting up Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing plant ?**
- 5. What is the structure of the Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing Business?**
- 7. What are the operating costs for setting up Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing plant ?**

- 8. What are the machinery and equipment requirements for setting up Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing plant ?**
- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) Manufacturing plant ?**

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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 anticipate the industry performance and make sound business decisions**

Our Approach

A hand is shown placing a wooden block with a lightbulb icon on top of a stack of wooden blocks with brain icons. The background is a blurred wooden surface.

- **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 Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea).” provides an insight into Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) project. The report assesses the market sizing and growth of the Indian Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) 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 Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) sector in India along with its business prospects. Through this report we have identified Milk Powder (Baby Milk for 0 to 5 year, Milk Powder for Coffee and Tea) project as a lucrative investment avenue.

Tags

#DetailedProjectReport **#BusinessIdeas**
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#ProjectReport #Startup #BusinessOpportunity
#BusinessPlan **#Business** **#MilkPowder**
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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](#)



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NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001 : 2015 CERTIFIED COMPANY

www.niir.org

Entrepreneur India

www.entrepreneurindia.co

Who are we?

A trusted and leading name in the industry, we have been putting forth exceptionally integrated and comprehensive technical consultancy services. We believe that project consultancy serves as a critical element for the success of your projects. Moreover, we keep in mind that no client is the same and nor are the requirements. Therefore, we ensure uniqueness in every service you avail from us.

- **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.

- **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)**

- 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

Who do we Serve?

- ❖ **Public-sector Companies**
- ❖ **Corporates**
- ❖ **Government Undertakings**
- ❖ **Individual Entrepreneurs**
- ❖ **NRI's**
- ❖ **Foreign Investors**
- ❖ **Non-profit Organizations, NBFC's**
- ❖ **Educational Institutions**
- ❖ **Embassies & Consulates**
- ❖ **Consultancies**
- ❖ **Industry / trade associations**

Sectors We Cover

- ❖ **Ayurvedic And Herbal Medicines, Herbal Cosmetics**
- ❖ **Alcoholic And Non Alcoholic Beverages, Drinks**
- ❖ **Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin**
- ❖ **Activated Carbon & Activated Charcoal**
- ❖ **Aluminium And Aluminium Extrusion Profiles & Sections**
- ❖ **Bio-fertilizers And Biotechnology**
- ❖ **Breakfast Snacks And Cereal Food**
- ❖ **Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling**

Sectors We Cover *Cont...*

- ❖ **Bamboo And Cane Based Projects**
- ❖ **Building Materials And Construction Projects**
- ❖ **Biodegradable & Bioplastic Based Projects**
- ❖ **Chemicals (Organic And Inorganic)**
- ❖ **Confectionery, Bakery/Baking And Other Food**
- ❖ **Cereal Processing**
- ❖ **Coconut And Coconut Based Products**
- ❖ **Cold Storage For Fruits & Vegetables**
- ❖ **Coal & Coal Byproduct**

- ❖ **Copper & Copper Based Projects**
- ❖ **Dairy/Milk Processing**
- ❖ **Disinfectants, Pesticides, Insecticides, Mosquito Repellents,**
- ❖ **Electrical, Electronic And Computer based Projects**
- ❖ **Essential Oils, Oils & Fats And Allied**
- ❖ **Engineering Goods**
- ❖ **Fibre Glass & Float Glass**
- ❖ **Fast Moving Consumer Goods**
- ❖ **Food, Bakery, Agro Processing**

- ❖ **Fruits & Vegetables Processing**
- ❖ **Ferro Alloys Based Projects**
- ❖ **Fertilizers & Biofertilizers**
- ❖ **Ginger & Ginger Based Projects**
- ❖ **Herbs And Medicinal Cultivation And Jatropha (Biofuel)**
- ❖ **Hotel & Hospitality Projects**
- ❖ **Hospital Based Projects**
- ❖ **Herbal Based Projects**
- ❖ **Inks, Stationery And Export Industries**

- ❖ **Infrastructure Projects**
- ❖ **Jute & Jute Based Products**
- ❖ **Leather And Leather Based Projects**
- ❖ **Leisure & Entertainment Based Projects**
- ❖ **Livestock Farming Of Birds & Animals**
- ❖ **Minerals And Minerals**
- ❖ **Maize Processing(Wet Milling) & Maize Based Projects**
- ❖ **Medical Plastics, Disposables Plastic Syringe, Blood Bags**
- ❖ **Organic Farming, Neem Products Etc.**

- ❖ **Paints, Pigments, Varnish & Lacquer**
- ❖ **Paper And Paper Board, Paper Recycling Projects**
- ❖ **Printing Inks**
- ❖ **Packaging Based Projects**
- ❖ **Perfumes, Cosmetics And Flavours**
- ❖ **Power Generation Based Projects & Renewable Energy Based Projects**
- ❖ **Pharmaceuticals And Drugs**
- ❖ **Plantations, Farming And Cultivations**
- ❖ **Plastic Film, Plastic Waste And Plastic Compounds**
- ❖ **Plastic, PVC, PET, HDPE, LDPE Etc.**

Sectors We Cover *Cont...*

- ❖ **Potato And Potato Based Projects**
- ❖ **Printing And Packaging**
- ❖ **Real Estate, Leisure And Hospitality**
- ❖ **Rubber And Rubber Products**
- ❖ **Soaps And Detergents**
- ❖ **Stationary Products**
- ❖ **Spices And Snacks Food**
- ❖ **Steel & Steel Products**
- ❖ **Textile Auxiliary And Chemicals**

Sectors We Cover *Cont...*

Sectors We Cover *Cont...*

- ❖ **Township & Residential Complex**
- ❖ **Textiles And Readymade Garments**
- ❖ **Waste Management & Recycling**
- ❖ **Wood & Wood Products**
- ❖ **Water Industry(Packaged Drinking Water & Mineral Water)**
- ❖ **Wire & Cable**

The main title 'Market Research Report' is centered on the page. It is written in a large, bold, blue sans-serif font with a prominent yellow outline. The text is arranged in three lines: 'Market' on the top line, 'Research' on the middle line, and 'Report' on the bottom line. The background of the entire page is a low-angle photograph of a modern city skyline with tall buildings and a clear blue sky. A person in a white shirt and dark jacket is visible in the lower right, looking towards the buildings.

Objective

- To provide forecasts of key parameters which helps to anticipate the industry performance
- To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- To help an entrepreneur/manager in keeping abreast with the changes in the industry
- To evaluate the competitive landscape of the industry by detailing:
 - ❑ Key players with their market shares
 - ❑ Financial comparison of present players

Clientele

- Venturist/Capitalists
- Entrepreneur/Companies
- Industry Researchers
- Investment Funds
- Foreign Investors, NRI's
- Project Consultants/Chartered Accountants
- Banks
- Corporates

[Click here for list](#)

Data Sources



Scope & Coverage



Our Team

- Our research team comprises of experts from various financial fields:**
- MBA's**
- Industry Researchers**
- Financial Planners**
- Research veterans with decades of experience**

Structure of the Report

- 1. Overview**
- 2. Market Analysis**
 - 2.1 Growth Drivers**
 - 2.2 Emerging Trends in the Industry**
 - 2.3 Regulatory Framework**
 - 2.4 SWOT Analysis**
 - 2.5 Herfindahl–Hirschman Index (HHI)**
- 3. Market Forecasts**
- 4. Key Players**

Structure of the Report

- 5. Key Financials and Analysis**
 - 5.1 Contact Information**
 - 5.2 Key Financials**
 - 5.3 Financial comparison**
- 6. Industry Size & Outlook**



CONTACT US



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