

Dairy Whitener, Milk Powder Manufacturing Business.

Production of Skimmed Milk Powder (SMP), Whole Milk Powder (WMP) and Dairy Whitener.

Investment Opportunities in Milk Processing Sector



Introduction

Powdered milk is a dairy product produced from cow milk. Skimmed milk powder is deficient in fat and fat soluble vitamins but the proteins, water-soluble vitamins and minerals are preserved.

There are mainly two types of milk powders. Skimmed Milk Powder and Full cream milk powder. Skimmed Milk Powder has 1.5% Fat and FCMP has 26% Fat. If you are calorie conscious, you should take Skimmed Milk Powder. People use FCMP for making curds etc.



Dairy Whitener is mainly used for making Tea and Coffee. They have various variations in Fat. But like Nestle, Britannia or Maul will make dairy whitener with 19% Fat and 19% Sugar. DW is per-sweetened.

- **Skim Milk Powder (SMP) is the product resulting from the partial removal of fat and water from pasteurized milk.**
- **Whole Milk Powder (WMP) is the product resulting from the partial removal of water from pasteurized milk.**
- **Dairy whitener is made by removing the liquid from the cow milk and it also contains around 20% added sugars. Powdered milk is made by the evaporating milk to dryness. Milk powder is one of the durable dairy products and doesn't needs refrigeration.**



Dairy products are highly perishable. Converting milk into milk powder increases its shelf life and enables it to be stored for extended period (about 1 year) without substantial loss of quality, even at ambient temperatures. The dairy-based powders are not only used for recombination or reconstitution, but they can be exploited for their intrinsic functional properties for application as a food ingredient in several “value-added foods” such as confectionery, bakery, and meat products. Knowledge and a basic understanding of the functional properties of milk powder wise enable food processors to prepare “tailor-made” value-added milk-based powders.



Powdered ingredients are stable and convenient for storage, and since the consumer never sees the food assembly process, any prejudices concerning the lower quality associated with dried ingredients is removed. Foods prepared from powdered ingredients are usually considered to be of lower quality (and therefore lower value) than fresh or frozen ingredients and products. In recent days there is great emphasis on adding value to powders, and therefore, an inclusive effort from dairy plant and powder processors, ingredient people, marketing experts is requisite to identify the means to add more value.



Uses

- Dairy whitener is generally used in making tea and coffee and has different variations of fat. Make use of milk powder for making cakes, chocolates etc.
- Whiteners are not apt for making chocolates or any other thing. Also, you need milk for making condensed milk; you won't be able to make it with milk powder or whitener.
- Provides baked flavor during baking and heating. Provides creamy dairy notes.
- Prevents fat globules from forming lumps. Improves product appearance
- Improves mouth feel, helps provide the creamy, smooth texture of fat important for low-fat products.

- **Some milk powders disperse well in food systems. Prevents sedimentation in beverages, soups, and sauces.**
- **Provides fat-like attributes in products. Allows a reduction in fat content. Improves product texture.**
- **Maintains foam properties which enhance visual appeal as well as taste and texture.**



Market outlook

Global milk production is projected to increase about 1.9% during the next 10 years compared to 2.1% annual growth experienced in the past decade. Global milk production is projected to increase by 153 million tons, of which 73% is expected to come from developing countries,

The Indian skimmed milk powder (SMP) market grew at a CAGR of nearly 10% during 2011-2018. Skimmed milk powder is obtained by removing the moisture from pasteurized skimmed milk. It contains low moisture, fat and milk protein content and is used as a substitute to whole milk powder by the consumers who want to reduce their calorie intake. The healthy growth of the market can be attributed to numerous forces Some of the other factors which have contributed to the growth of the market include increasing population, rising incomes,

improving standards of living and penetration in the emerging regions.

Globally the skim milk powder market is mainly driven by increasing demand in food industry especially in bakery and confectionery food items. Rising working women population who prefer infant formula made from skim milk powder over breastfeeding is supporting the market growth. Improved packaging of skim milk powder is also influencing the growth of the market. High nutritional value, convenient usage and rising application in dairy products are also driving the demand of skim milk powder in the last few years.



The global Whole Milk Powder Market is expected to register 5.26% CAGR from 2019 to 2024 and reach USD 23.34 billion by the end of 2024. This is driving the growth of global whole milk powder market. Whole milk powder is made from fresh milk and hence contains all the nutrients which are present in the fresh milk. Whole milk powders are also often fortified with other essential nutrients, which might drive the growth of global whole milk powder. The changing and hectic lifestyle coupled with increasing per capita disposable income is projected to propel the growth of the global whole milk powder market.



The dairy whiteners market is estimated to grow at a CAGR of 5.1% during 2018-2023 (forecast period). The growing trend for convenience foods is expected to drive the market. Asia-Pacific regions accounts for a significant share of the global dairy whiteners market. Growing dependency on convenience based products is expected to have a high impact on the dairy whiteners during the forecast period. The growing preference for dairy whiteners over milk is attributed to its Functional benefits such as low cost and longer shelf-life. The tariff rates on exports, effect of high imports on domestic production, growing population in developing countries will impact positively the demand for dairy whiteners. The cost advantage that the emerging economies like Brazil, India and China provide in terms of processing and production, will help these markets to grow exponentially.

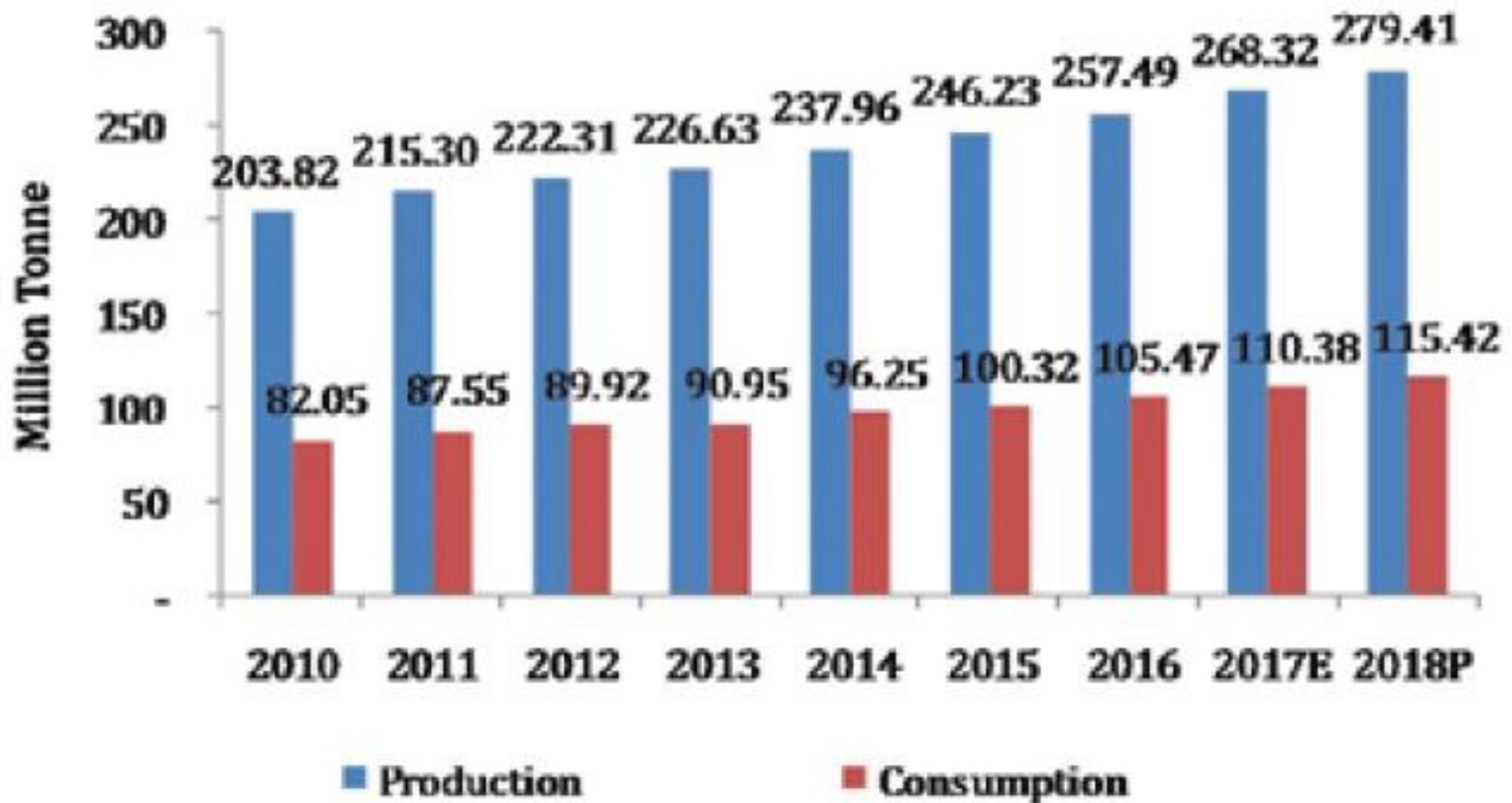
India's Demand For Dairy Products Increasing

In India, the world's largest milk producer, there are around 70 million small-scale producers. India is expected to produce 175 billion litres of milk this year, which is nearly twice what the US – the 2nd biggest milk producing nation – is expected to produce. India has been the leading producer and consumer of dairy products worldwide since 1998 with a sustained growth in the availability of milk and milk products. Dairy activities form an essential part of the rural Indian economy, serving as an important source of employment and income. India also has the largest bovine population in the world. However, the milk production per animal is significantly low as compared to the other major dairy producers.

India exported 94,000 tonnes of dairy products in 2018, valued at nearly US\$290 million. Butter and other dairy fats (including ghee) make up the majority of exports, accounting for 65% in volume terms.

The dairy sector has become among the highest gross value sectors in agriculture with higher prices and correspondingly higher value of milk production. With the globalization of the dairy industry, there has been a paradigm shift of international dairy markets from being supply driven to demand driven. This deficit has increased the demand for exports of Indian 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

India's Production and Consumption of Dairy Products



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.

Key Players

The key players include Aral Foods samba, Dairy Farmers of America Inc., Danone, Dean Foods Company, Fonterra Co-operative Group, Kraft Foods Inc., Lactalis Group, Nestle S.A, Saputo Inc., and Schreiber Foods Inc. Some of the key players in the global dairy whiteners market are Fonterra Co-operative Group Limited (New Zealand), Nestle SA (Switzerland), Friesland Campina NV (Netherlands), Danone SA (France), Morinaga & Company, Ltd. (Japan), Premier Foods plc (UK), Dean Foods (US), Anand Milk Union Limited (India), Saputo Inc. (Canada), and Lactéal's (France). Fonterra, DANONE, Friesland Campina, Amul, and Lactalis. Other notable companies are Aral Foods, Dean Foods, Muller, Dairy Farmers of America, Schreiber Foods, Mother Dairy, Sodiaal, and Land O' Lakes, Mengniu, Morinaga Milk Industry, Saputo, Yili Group, and Kraft Heinz.

Machinery Photographs



Pasteurization



Spray Dryer



Pasteurization



Spray Dryer

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	57.50	57.50	Capital	0.00	243.13	243.13
Buildings	0.00	271.40	271.40	Share Premium	0.00	0.00	0.00
				Other Type Share			
Plant & Machineries	0.00	387.00	387.00	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	117.00	117.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	20.00	20.00	Internal Cash			
Franchise & Other Deposits	0.00	0.00	0.00	Accruals	0.00	0.00	0.00
				Long/Medium Term			
Preliminary& Pre-operative Exp	0.00	3.00	3.00	Borrowings	0.00	729.38	729.38
Provision for Contingencies	0.00	30.00	30.00	Debentures / Bonds	0.00	0.00	0.00
				Unsecured			
Margin Money - Working Capital	0.00	68.60	68.60	Loans/Deposits	0.00	0.00	0.00
TOTAL	0.00	972.50	972.50	TOTAL	0.00	972.50	972.50

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	Per Share				No.of Times	
	Rs	Rs	Rs	Rs	Rs	%	Rs	%	Rs	s	%
1-2	5.15	9.47	15.15	24.00	0.00	100.00	5.15	0.00	5.15	1.00	0.00
2-3	7.99	11.76	23.14	18.00	0.00	100.00	7.99	0.00	7.99	1.00	0.00
3-4	10.82	14.11	33.96	12.00	0.00	100.00	10.82	0.00	10.82	1.00	0.00
4-5	13.57	16.44	47.53	6.00	0.00	100.00	13.57	0.00	13.57	1.00	0.00
5-6	16.22	18.73	63.75	0.00	0.00	100.00	16.22	0.00	16.22	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- 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	1.37	1.37		1.58	1.58	2.76		9.39%	5.01%	3.62%	853.84	24.69%	2.53	1.01
2-3	1.67	1.51		0.78	0.78	1.67		10.83%	7.25%	4.82%	995.03	24.66%	2.72	1.23
3-4	2.03	1.67	2.03	0.35	0.35	1.04		11.80%	8.85%	5.71%	1137.15	24.66%	2.76	1.48
4-5	2.46	1.84		0.13	0.13	0.68		12.46%	9.99%	6.36%	1279.27	24.66%	2.69	1.76
5-6	2.97	2.03		0.00	0.00	0.46		12.90%	10.81%	6.84%	1421.39	24.66%	2.56	2.49

Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
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Cash BEP (% of Installed Capacity)	51.85%
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Total BEP (% of Installed Capacity)	56.14%
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IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)	27.26%
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Payback Period of the Project is (In Years)	2 Years 5 Months
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Fixed Assets Coverage Ratio (No. of times)	11.170
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Major Queries/Questions Answered in the Report?

1. **What is Whitener Milk Powder (SMP, WMP, and Dairy) Manufacturing industry ?**
2. **How has the Whitener Milk Powder (SMP, WMP, and Dairy) Manufacturing industry performed so far and how will it perform in the coming years ?**
3. **What is the Project Feasibility of Whitener Milk Powder (SMP, WMP, and Dairy) Manufacturing Plant ?**
4. **What are the requirements of Working Capital for setting up Whitener Milk Powder (SMP, WMP, and Dairy) Manufacturing plant ?**

- 5. What is the structure of the Whitener Milk Powder (SMP, WMP, and Dairy) Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Whitener Milk Powder (SMP, WMP, and Dairy) Manufacturing Business?**
- 7. What are the operating costs for setting up Whitener Milk Powder (SMP, WMP, and Dairy) Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Whitener Milk Powder (SMP, WMP, and Dairy) Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Whitener Milk Powder (SMP, WMP, and Dairy) 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 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 Whitener Milk Powder (SMP, WMP, and Dairy) .” provides an insight into Whitener Milk Powder (SMP, WMP, and Dairy) market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Whitener Milk Powder (SMP, WMP, and Dairy) project. The report assesses the market sizing and growth of the Indian Whitener Milk Powder (SMP, WMP, and 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 Whitener Milk Powder (SMP, WMP, and Dairy) sector in India along with its business prospects. Through this report we have identified Whitener Milk Powder (SMP, WMP, and Dairy) project as a lucrative investment avenue.

Tags

#Milk_whiteners_Processing, **#Whitener_Milk_Powder_Products,**
#Milk_Processing_&_Dairy_Products, **#Whitener_Milk_Powder_Plant,**
#Production_Process_of_Whitener_Milk_Powder_Products,
#Whitener_Milk_Powder_Processing_Plant,
#Whitener_Milk_Powder_Industry,
#Whitener_Milk_Powder_Processing_PPT,
#Whitener_Milk_Powder_Processing_Procedure,
#How_to_Start_a_Whitener_Milk_Powder_Processing_Plant?
#Whitener_Milk_Powder_Processing_Plant_Project_Report, **Whitener**
Milk Powder Processing Plant Pdf, Setting up Whitener Milk Powder
Processing Plant, Whitener Milk Powder Plant Project Report, Whole
Milk Powder Manufacturing Process PPT, Whole Milk Powder
Manufacturing Process Flow Chart

How to Set up a Whitener Milk Powder Processing Plant, How to Start a Whitener Milk Powder, skimmed milk powder (SMP), skimmed milk powder (SMP) Processing Unit, skimmed milk powder (SMP) Processing Plant, skimmed milk powder (SMP) for Manufacturing Purposes and Its Production and Processing, skimmed milk powder (SMP) Production, skimmed milk powder (SMP) Manufacture, How is skimmed milk powder (SMP) Prepared? skimmed milk powder (SMP) Making Process in Factory, skimmed milk powder (SMP) Manufacturing Business, How to Start skimmed milk powder (SMP) Manufacturing Business? Preparation of skimmed milk powder (SMP), Manufacture of Whole Milk Powder, Whole Milk Powder Production Process Pdf, Whole Milk Powder Processing Plant, Whole Milk Powder Production Process, Industrial Production of Whole Milk Powder, Production of Whole Milk Powder,

Whole Milk Powder Manufacturing Project Report, Whole Milk Powder Production Cost, Whole Milk Powder Manufacturing Business and Project Profile on Whole Milk Powder Products, Commercial Whole Milk Powder Production, Whole Milk Powder Manufacturing Project Report, Whole Milk Powder Process and How Whole Milk Powder is made? Whole Milk Powder Manufacture ,Whole Milk Powder Production, Whole Milk Powder Production Flow Chart, Preparation of Whole Milk Powder, Whole Milk Powder Production Plant in India, dairy whiteners Manufacturing Unit, dairy whiteners Production Plant, Manufacture of dairy whiteners, dairy whiteners Processing, How to Start a dairy whiteners Manufacturing Unit, dairy whiteners Manufacturing, dairy whiteners Manufacturing Process Pdf, Project Report on dairy whiteners Manufacturing Industry, Detailed Project Report dairy whiteners on Manufacturing, Project Report on Whitener Milk Powder (SMP, WMP, and Dairy Manufacturing,

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**Niir Project Consultancy Services (NPCS)
can provide Detailed Project Report on
Dairy Whitener, Milk Powder Manufacturing
Business.**

**Production of Skimmed Milk Powder (SMP), Whole
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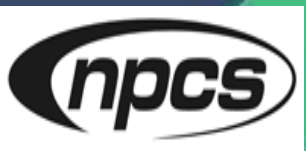
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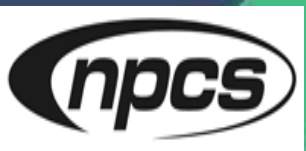
Who are we?

- *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.



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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

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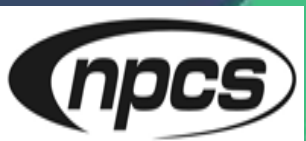
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