

Y-1706

Business Plan – <u>Sodium Percarbonate</u> (Sodium Carbonate Peroxide)

Production

Startup Industry with the Fastest and Biggest Growth





Introduction

Sodium Percarbonate may be a chemical compound used as an alternate for hydrogen peroxide with the formula C2H6Na4O12. Sodium Percarbonate is ready by adding sodium peroxide slowly to ice-cold ethyl alcohol. Sodium Percarbonate dissolves relatively fast in water, releasing sodium carbonate and hydrogen peroxide within the solution. The slight amount of moisture which are present already within the atmosphere are sufficient to bring about the decomposition of the Percarbonate.

Related projects:- Chemicals (Organic, Inorganic, Industrial) Projects

Sodium Percarbonate is mainly used as bleaching chemical in laundry detergents, laundry additives and machine dishwashing products. The pure product (100 %) is also available for consumers as a laundry additive. Sodium Percarbonate may also be used in products for drain cleaning, multipurpose cleaning or for denture cleansing.



The amount of sodium Percarbonate, which is used in household cleaning products. Sodium Percarbonate is a bleaching and oxidizing agent commonly used in household cleaning products. It is often used in toothpaste and tooth whitening products, as well as in crop production to inhibit algae and moss. We use it as a detergent booster. It dissolves in water and turns into hydrogen peroxide and sodium carbonate.

Related Books:- <u>Chemical Technology (Organic, Inorganic, Industrial)</u>, <u>Fine Chemicals</u>

Sodium Percarbonate releases hydrogen peroxide and soda ash. As we know, hydrogen peroxide breaks down into oxygen and water. As you may expect, then, sodium Percarbonate breaks down into oxygen, water, and soda ash.

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<u> Uses of Sodium Percarbonate – C2H6Na4O12</u>

Sodium Percarbonate is antiseptic and deodorant. In aqueous solution it may be used as an antiseptic for wounds in place of hydrogen peroxide. It has a beneficial effect of bicarbonate hydrogen peroxide mixtures in the area of oral hygiene and therapy. Used as an alternative for alkaline treatments. The minerals which can be

bleached using H2O2 include chalk, rutile, helmets and natural silicates.

Related Videos:- Chemicals (Organic, Inorganic, Industrial)







Benefits

No environmental hazards - breaks down to oxygen, water and sodium carbonate (soda ash) in your wash water.

Color safe and fabric safe. It brightens colors

Continual use will not cause yellowing or graying of cotton fabric Effective stain removal in a broad range of water temperatures

Lengthens time between linen replacement

Prevents fabric from becoming yellowed or darkened

Does not weaken the strength of fabrics like chlorine bleach

In the laundry Sodium Percarbonate is used to destain, deodorize, and whiten. It is very effective as a laundry presoak for heavily stained articles.

Related Book:- <u>Handbook On Chemical Industries (Alcohol Based)</u>

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Applications

Laundry

Making Solutions

Carpet & Upholstery

Carpet Machines

Curtains & Sheers

Wedding Dresses

Kitchen Uses

Coffee Pots

Refrigerators





Cutting Boards

Bathroom

Mildew Removal

Wood Decks

Brick

Yard

Household Cleaning

Camping Equipment

Related Projects:- Chemicals, Biotechnology, Enzymes, Bio Fertilizer





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Advantages of using Sodium Percarbonate

It is a granulated powder – which can be nice for scrubbing stains and stuck-on-gunk off of dishes. Think of scouring powder, but made out of hydrogen peroxide. It can be made into a paste, too, and used on tile grout and tough stains.

It is easy to carry around -- say, to a Laundromat – because of its dry powder form. In fact, laundry products are one of the big applications of sodium Percarbonate.

It's cheap. Really cheap: a few dollars for a little tub of it. The recommended amounts are small, it is very concentrated.

Related Project: - <u>Sodium Percarbonate (Sodium Carbonate Peroxide)</u> <u>Manufacturing</u>









It is easier to ship than 35% peroxide, since it is not a "hazardous material" for shipping purposes, at least in small quantities. (This is confusing – I've seen at least one source that does ship larger quantities, over a couple of pounds, as a hazardous material. I'm not convinced that this is a general practice. I think it is generally shipped as usual, not as a hazardous material. I'm thinking that "pure" sodium Percarbonate requires hazardous materials shipping. I'll update this when I know for sure what the distinction is.)

It is less likely to splash and spill than liquid peroxide, so it is safer to work with. One does still need to be careful with it, but mostly once it is mixed into water.

Related Project: - Sodium Percarbonate (Sodium Carbonate Peroxide) Manufacturing





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Production

Sodium Percarbonate is produced by the reaction of sodium carbonate with hydrogen peroxide, which can be done via dry, spray and wet processes. In the dry process aqueous hydrogen peroxide solution is sprayed on solid sodium carbonate; a solid-liquid reaction yields sodium Percarbonate. In the spray process sodium Percarbonate is produced by a fluid bed process. Solutions of sodium carbonate and hydrogen peroxide are sprayed into a drying chamber where the water is evaporated. In the wet process sodium Percarbonate is usually prepared by crystallization possibly in combination with salting out.

Projects:- <u>Project Reports & Profiles</u>





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Market Outlook

The sodium Percarbonate market has shown moderate growth in recent years, and is expected to experience a lower growth trend over the forecast period through 2030. In terms of supply, the market has shown fluctuations during the past half-decade. However, demand for sodium Percarbonate has been gradually increasing during the same period. This rift has led to increasing prices of raw materials as well as sodium Percarbonate in recent times. Overall, the sodium percarbonate market is expected to show moderate growth in terms of value during the forecast period, while growth in volume is expected to be low. Investments by companies to increase penetration, increasing demand for cleaning products and disinfectants, are expected to drive the expansion of the sodium Percarbonate market size over the coming years.

Books:- BOOKS & DATABASES



The sodium Percarbonate market has shown moderate growth in recent years, and is expected to experience a lower growth trend over the forecast period through 2030. In terms of supply, the market has shown fluctuations during the past half-decade. However, demand for sodium Percarbonate has been gradually increasing during the same period. This rift has led to increasing prices of raw materials as well as sodium Percarbonate in recent times.

Market Research: - Market Research Report







Market Dynamics:

Rising demand of sodium percarbonate in cleaning products such as floor cleaning and laundry & dishwashing products in home and personal care industry along with food and healthcare industry is expected to fuel growth of the global sodium percarbonate market over the forecast period. This can be attributed to disinfecting and antimicrobial properties offered by sodium percarbonate.

Related Project: - <u>Sodium Percarbonate (Sodium Carbonate Peroxide)</u> <u>Manufacturing</u>





Moreover, when decomposed, sodium percarbonate gets disintegrated into oxygen, water, and sodium carbonate, which are considered as environmentally safe compounds. Therefore, sodium percarbonate is considered as an ecofriendly bleaching agent compared to other bleaching agents such as chlorine. Decomposition products of chlorine bleach such as dioxins are hazardous for environment. This factor, in turn is expected to fuel growth of the global sodium percarbonate market over the forecast period.

However, exposure to sodium percarbonate may cause skin, eyes, and respiratory tract irritation, which in turn is expected to hamper growth of the market over the forecast period.

Related Project: - <u>Sodium Percarbonate (Sodium Carbonate Peroxide)</u> <u>Manufacturing</u>



Key Players:-

- Solvay AG
- Evonik Industries AG
- OCI Peroxygens LLC
- Kemira
- Khimprom
- HOGYE HOLDING GROUP CORPORATION LIMITED
- JINKE Company Limited.
- Jiangxi Boholy Chemical Coltd
- Wuxi wanma chemical co.
- Hodogaya Chemical Co. ltd among others.

Related Project: - <u>Sodium Percarbonate (Sodium Carbonate Peroxide)</u> <u>Manufacturing</u>

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Machinery Photographs



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STORAGE TANK



Project at a Clance

COST C	F PROJE	CT	MEANS OF FINANCE					
						Propose		
Particulars	Existing	Proposed	Total	Particulars	Existing	d	Total	
Land & Site								
Development Exp.	0.00	83.00	83.00	Capital	0.00	73.81	73.81	
Buildings	0.00	78.20	78.20	Share Premium	0.00	0.00	0.00	
				Other Type Share				
Plant & Machineries	0.00	46.00	46.00	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	42.50	42.50	Cash Subsidy	0.00	0.00	0.00	
Technical Knowhow				Internal Cash				
Fees & Exp.	0.00	10.00	10.00	Accruals	0.00	0.00	0.00	
Franchise & Other				Long/Medium Term				
Deposits	0.00	0.00	0.00	Borrowings	0.00	221.43	221.43	
Preliminary& Pre-								
operative Exp	0.00	1.00	1.00	Debentures / Bonds	0.00	0.00	0.00	
Provision for				Unsecured				
Contingencies	0.00	4.35	4.35	Loans/Deposits	0.00	0.00	0.00	
Margin Money -								
Working Capital	0.00	22.19	22.19					
TOTAL	0.00	295.24	295.24	TOTAL	0.00	295.24	295.24	



Project at a Glance

Year	Annualised		Book Value	Debt	Dividen d	Retained Earnings		Payout	Probable Market	P/E Ratio	Yield Price/ Book Value
									Price		
					Per					No.of	
	EPS	CEPS	Per S	Share	Share	Per Share				Times	
		•	•	•		%	%		•		%
						100.0					
1-2	6.37	9.30	16.37	24.00	0.00	0	6.37	0.00	6.37	1.00	0.00
						100.0					
2-3	9.45	12.04	25.82	18.00	0.00	0	9.45	0.00	9.45	1.00	0.00
						100.0					
3-4	12.46	14.75	38.27	12.00	0.00	0	12.46	0.00	12.46	1.00	0.00
4-						100.0					
5	15.35	17.38	53.62	6.00	0.00	0	15.35	0.00	15.35	1.00	0.00
5-						100.0					
6	18.09	19.91	71.71	0.00	0.00	0	18.09	0.00	18.09	1.00	0.00



Project at a Glance								<u>w</u>					www.niir.org	
	FIUJEUL AL A UIAIILE													
Year		. S. C. F		-	Equity as- Equity	Net	n on	Profitability Ratio						Curre nt Ratio
	Indivi dual	Cumul ative	Over all					GPM	PBT	PAT	Net Contr ibutio n	Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initi al				3.00	3.00									
$\frac{1}{2}$	1.38	1.38		1.47	1.47	2.35		13.11 %	7.86%		298.4 5	32.9 6%	2.29	1.02
2- 3	1.74	1.55		0.70	0.70	1.34		14.67 %	10.26 %	6.60%	348.1 8	32.9 6%	2.41	1.28
3- 4	2.16	1.74	2.15		0.31	0.81		15.73 %	11.96 %	7.62%	397.9	32.9 6%	2.39	1.60
4-5	2.63	1.94		0.11	0.11	0.51		16.43 %	13.15 %	8.34%	447.6		2.30	1.97
	3.18	2.15		0.00	0.00	0.33		16.89 %		8.85%	497.4		2.16	2.96

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Project at a Clance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	54.87%
Total BEP (% of Installed Capacity)	57.56%
IRR, PAYBACK and FACR	
Internal Rate of Return (In %age)	27.45%
	2 Years 3
Payback Period of the Project is (In Years)	Months
Fixed Assets Coverage Ratio (No. of times)	8.024



Major Queries/Questions Answered in the Report?

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



5. What is the structure of the Sodium Percarbonate Manufacturing Business and who are the key/major players ?

- 6. What is the total project cost for setting up Sodium Percarbonate Manufacturing Business?
- 7. What are the operating costs for setting up Sodium Percarbonate Manufacturing plant ?
- 8. What are the machinery and equipment requirements for setting up Sodium Percarbonate Manufacturing plant ?

 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Sodium Percarbonate Manufacturing plant ?

- 10. What are the requirements of raw material for setting up Sodium Percarbonate Manufacturing plant ?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Sodium Percarbonate Manufacturing Business?
- 12. What is the Manufacturing Process of Sodium Percarbonate ?

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13. What is the total size of land required for setting up Sodium Percarbonate Manufacturing plant ?

14. What will be the income and expenditures for Sodium Percarbonate Manufacturing Business?

15. What are the Projected Balance Sheets of Sodium Percarbonate Manufacturing plant ?

16. What are the requirement of utilities and overheads for setting up Sodium Percarbonate Manufacturing plant?

17. What is the Built up Area Requirement and cost for setting up Sodium Percarbonate Manufacturing Business?

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18. What are the Personnel (Manpower) Requirements for setting up Sodium Percarbonate Manufacturing Business?

19. What are Statistics of Import & Export for Sodium Percarbonate ?

20. What is the time required to break-even of Sodium Percarbonate Manufacturing Business?

21.What is the Break-Even Analysis of Sodium Percarbonate Manufacturing plant?

22.What are the Project financials of Sodium Percarbonate Manufacturing Business?

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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

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- 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

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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 Sodium Percarbonate." provides an insight into Sodium Percarbonate market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Sodium Percarbonate project. The report assesses the market sizing and growth of the Indian Sodium Percarbonate 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: www.entrepreneurindia.co



- 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 Sodium Percarbonate sector in India along with its business prospects. Through this report we have identified Sodium Percarbonate project as a lucrative investment avenue.



Tags

#SodiumPercarbonate #SodiumPercarbonateManufacturing #SodiumPercarbonateMarket #SodiumPercarbonateProduction #SodiumPercarbonateBusiness #SodiumPercarbonateBusinessPlan **#SodiumCarbonatePeroxide #Sodium #ChemicalIndustry #ChemicalMarket #SodiumPercarbonateInvestment #NewRelease** #businessconsultant **#DetailedProjectReport #BusinessPlan #NPCS** #feasibilityReport #entrepreneurindia **#startupbusiness #businessestostart #Startupbusinessideas #startupideas #growyourbusiness #businessstartupindia** *#projectconsultancy* #projectconsultancy **#InvestmentOpportunities**



NIIR PROJECT CONSULTANCY SERVICES (NPCS) can provide Detailed Project Report on

<u>Sodium Percarbonate (Sodium Carbonate Peroxide)</u> <u>Manufacturing</u>



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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,

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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......<u>Read more</u>



Contact us

- **NIIR PROJECT CONSULTANCY SERVICES**
- 106-E, Kamla Nagar, Opp. Mall ST,
- New Delhi-110007, India.
- Email: <u>npcs.ei@gmail.com</u> , <u>info@entrepreneurindia.co</u>
- Tel: +91-11-23843955, 23845654, 23845886
- Mobile: +91-9097075054, 8800733955
- Fax: +91-11-23845886
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- 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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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)

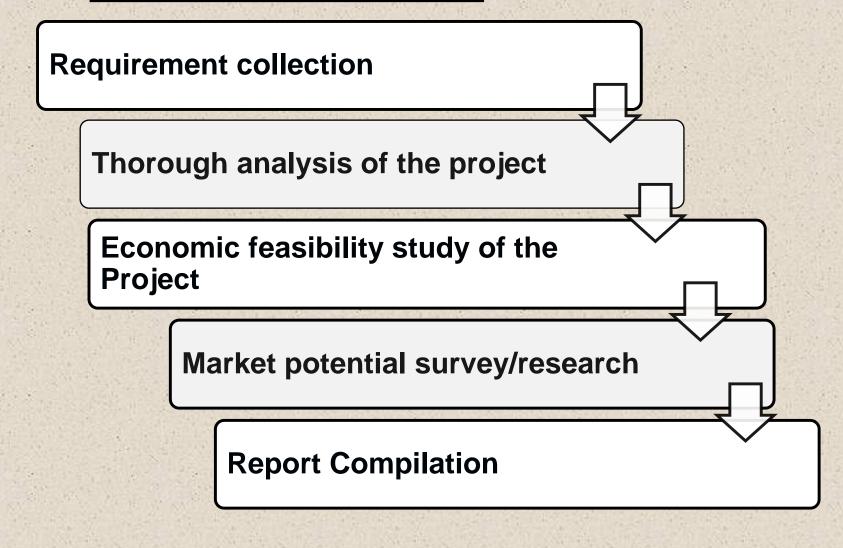
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How are we different ?

- 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









- Public-sector Companies
- Corporates
- Government Undertakings
- o Individual Entrepreneurs
- o NRI's
- Foreign Investors
- Non-profit Organizations, NBFC's
- o Educational Institutions
- Embassies & Consulates
- o 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...

- o Bamboo And Cane Based Projects
- o 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



Sectors We Cover Cont...

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



Sectors We Cover cont...

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



Sectors We Cover Cont...

- o Infrastructure Projects
- Jute & Jute Based Products
- o Leather And Leather Based Projects
- o 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
- o Organic Farming, Neem Products Etc.



Sectors We Cover Cont...

- o Paints, Pigments, Varnish & Lacquer
- o 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
- o Plantations, Farming And Cultivations
- o 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
- o Textile Auxiliary And Chemicals



Sectors We Cover Cont...

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



MARKET RESEARCH REPORTS

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Objective

©To get a detailed scenario of the industry along with its structure and classification ®To provide a comprehensive analysis of the industry by covering aspects like: ∞Growth drivers of the industry &Latest market trends ©Insights on regulatory framework **SWOT** Analysis **©Demand-Supply Situation** ∞Foreign Trade ∞Porters 5 Forces Analysis



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
- సారం evaluate the competitive landscape of the industry by detailing:
 - Sev Key players with their market shares
 - >>>Financial comparison of present players







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

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Surveys One-on-one Interactions Databases Secondary Research

Online Research Industry Journals

n-one ctions Primary Research

> Industry Sources

Industry Experts Industry Associations Companies





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

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Structure of the Report cont

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



Take a look at NIR PROJECT CONSULTANCY SERVICES on #Street View





Contact us NIR PROJECT CONSULTANCY SERVICES

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

New Delhi-110007, India.

Email: <u>npcs.ei@gmail.com</u> , <u>info@entrepreneurindia.co</u>

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

Mobile: +91-9097075054, 8800733955

Fax: +91-11-23845886

Website : <u>www.entrepreneurindia.co</u> , <u>www.niir.org</u>

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