







Y-1674

Business Plan-

Urea Fertilizer

for Crop Production
Manufacturing Business Plan &
Investment Opportunities in
Fertilizer Industry









Introduction

Urea is a fertilizer material used for direct application to crops or in the preparation of blended fertilizers. Under most circumstances, it is equivalent to or superior than most other nitrogen sources. To understand the significance of urea, as opposed to other sources of nitrogen, one must examine the nature of commercial fertilizers and how they are blended. Commercial fertilizers are complex mixtures of various blended materials that contain at least the minimum level of nutrients, as per the label guarantee. In the case of nitrogen, there is usually more than one form of nitrogen, and often more than one source of nitrogen used in any blend.

Related Projects: - Fertilizers, Fertilisers, Inorganic Fertilizers (Mineral

Fertilizer)



Fertilizers are inorganic materials with high analytical value and definite composition which can supply nutrients and trace elements, usually applied to the soil to encourage the growth of crops.

Examples:

Nitrogenous fertilizers (urea, ammonium sulfate);

Phosphate fertilizers (single/triple super phosphate);

Potassic fertilizers (muriate of potash); and Macronutrients (Ca, Mg, O, C) and micronutrients (Zn, MN, Cu, Fe, Mo, S, etc.).

Related Books: - Biofertilizer, Biofertiliser, Biogas, Organic Farming,

Vermicompost, Vermiculture, Biotechnology





Advantages of Urea Fertilizer

Superior Nitrogen content

Low production cost, as source is natural

Non-flammable and risk-free storage

Wide application range, for all types of crops and soils

Neutral pH and harmless to crops and soil

Related Videos: - Fertilizers, Biofertilizer, Inorganic Fertilizers

(Mineral Fertilizer), NPK, Nitrogen Fertilizer, Nitrogenous Fertilizer,

Diammonium Phosphate Projects





How to Use Urea Fertilizer?

Urea should be applied at the time of sowing. It should not come in contact with the seeds. It also can be applied as a top dressing. Since Urea is highly Nitrogen-concentrated, it should be used in combination with earth or sand before its application. Urea should not be applied when the soil contains free water or likely to remain wet for three or four days after application.

Related Project: - <u>Urea Fertilizer- Start Business in Fertilizer Industry</u>

The agricultural industry widely uses urea, a white crystalline solid containing 46 percent nitrogen as an animal feed additive and fertilizer. Here, we'll focus on its role as a nitrogen fertilizer. On a commercial basis, urea is available as prills or as a granulated fertilizer. The large granules are crystalline white and are highly resistant to moisture and thus facilitate long time storage as well. Today these granular shaped crystals of urea are blended with most of the fertilizers.

Market Research: - Market Research Report



Application of Urea

Urea can be applied in various forms, it can be spread in bulk alone or can also be mixed with other fertilizers before application.

However Urea should be preferably spread alone so as to avoid unevenness in the field.

In case of preparing blended mixtures with other fertilizers the best ones to suit its density are monoammonium phosphate (11-52-0) or ammonium phosphate (18-46-0). When blended together, these are easily spread uniformly across the cultivated land.

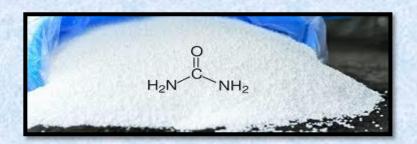
Projects:- Project Reports & Profiles





- Nitrogenous Fertilizer
- > Stabilizing Agent
- > Keratolyte
- > Resin
- > Urea
- > Ammonium nitrate
- > Diammonium phosphate
- Monoammonium phosphate
- > Ammonium sulfate
- > Triple superphosphate

Books:- BOOKS & DATABASES





<u>Uses</u>

More than 90% of world industrial production of urea is destined for use as a nitrogen-release fertilizer. Urea has the highest nitrogen content of all solid nitrogenous fertilizers in common use. Therefore, it has the lowest transportation costs per unit of nitrogen nutrient.

Many soil bacteria possess the enzyme urease, which catalyzes conversion of urea to ammonia (NH3) or ammonium ion (NH4+) and bicarbonate ion (HCO3-). Thus urea fertilizers rapidly transform to the ammonium form in soils. Among the soil bacteria known to carry urease, some ammonia-oxidizing bacteria (AOB), such as species of Nitrosamines, can also assimilate the carbon dioxide the reaction releases to make biomass via the Calvin cycle, and harvest energy by oxidizing ammonia (the other product of urease) to nitrite, a process termed nitrification.

Related Project: - <u>Urea Fertilizer- Start Business in Fertilizer Industry</u>



Nitrite-oxidizing bacteria, especially Nitrobacteria, oxidize nitrite to nitrate, which is extremely mobile in soils because of its negative charge and is a major cause of water pollution from <u>agriculture</u>. Ammonium and nitrate are readily absorbed by plants, and are the dominant sources of nitrogen for plant growth. Urea is also used in many multi-component solid fertilizer formulations. Urea is highly soluble in water and is therefore also very suitable for use in fertilizer solutions (in combination with ammonium nitrate: UAN), e.g., in 'foliar feed' fertilizers. For <u>fertilizer</u> use, granules are preferred over prills because of their narrower particle size distribution, which is an advantage for mechanical application. The most common impurity of synthetic urea is biuret, which impairs plant growth. Urea is usually spread at rates of between 40 and 300 kg/ha (35 to 270 lbs/acre) but rates vary. Smaller applications incur lower losses due to leaching. During summer, urea is often spread just before or during rain to minimize losses from volatilization (a process wherein nitrogen is lost to the atmosphere as ammonia gas).



Market Outlook

The market for urea is expected to witness a CAGR of more than 2.5% over the forecast period. One of the major factors driving the market studied is the increasing demand for fertilizers in the agriculture industry. However, health hazards regarding urea are likely to restrain the market. Stringent environment regulations for automotive emissions are also likely to boost the demand for urea. Applications for urea in the preparation of bio-bricks is likely to create opportunities for the market in the coming years.

Related Projects: - Fertilizers, Fertilisers, Inorganic Fertilizers (Mineral Fertilizer)





The growing popularity of commercial agriculture across the globe is expected to drive the market for nitrogenous fertilizers over the forecast period. The agriculture industry has been witnessing a rise in the demand for nitrogenous fertilizers to provide proper nutrition to the food crops, thereby increasing their yield. The global <u>Urea Fertilizers</u> market is valued at 53400 million USD in 2020 is expected to reach 61020 million USD by the end of 2026, growing at a CAGR of 1.9% during 2021-2026.

Agricultural products, such as fruits, vegetables, cereals, and cotton, are major application areas for nitrogenous fertilizers. Production levels of crops are largely affected by climatic variations, which, in turn, change the demand and supply of crops as per the season. Technical grade urea is used in many applications, such as glue, medical drugs, dyes, disinfectants, cosmetics, and in the production of yeast.



Nitrogen is one of the important nutrients required for the growth of plants. It is available in natural form in the atmosphere, however, only a few plants can absorb it. Hence, it is supplied to plants synthetically in the form of nitrogenous fertilizers. The global market offers nitrogenous fertilizers in the form of urea, ammonia, ammonium sulfate, calcium ammonium nitrate, and a few others, with varying proportions of the nutrient value. These nitrogenous fertilizers provide better texture and regulate plant growth for faster yield. With the technological advancements in the automotive industry to meet the emission regulations, the use of urea in and blue to reduce the nitrogen oxide emission from the exhaust is increasing. Further, with the growing automotive fleet across the world, the consumption of ad blue is projected to increase, which in turn will increase the consumption of technical grade urea. Urea is also used as a base component in many creams and with the growing demand for <u>cosmetics</u>, the demand for technical grade urea is likely to increase.



Urea Market size is set to grow steadily in the projected timeline owing to its application in agriculture as fertilizer. The product is also known as carbamide and has highest nitrogen content amongst all solid nitrogenous fertilizer making it favorable agriculture utility across arable land. The product is also used to produce resin finds application in melamine synthesis, laminates, adhesives and paints. Its usage in automotive, medical, explosive, deicing, polymer and chemical industries is likely to drive urea market demand.

Significant growth in the agriculture industry across the globe is one of the key factors driving the market growth. In comparison to traditionally used ammonium nitrate, urea is more cost-effective and offers higher crop yield in lesser time. This has resulted in the widespread adoption of urea as a fertilizer and animal feed additive. Furthermore, the increasing utilization of urea in the automotive industry is also contributing to the market growth.



Urea is extensively utilized in this industry to minimize nitrogen oxide emissions from diesel automobiles. Automotive urea, or diesel exhaust fluid (DEF), is injected into the exhaust systems and tanks of trucks, buses, cars and sports utility vehicles (SUVs) to remove nitrogen oxide from the diesel exhaust. The availability of premium-quality technical grade urea, which is extensively utilized in the manufacturing of medical drugs, dyes, disinfectants, cosmetics and yeast, is acting as another major growthinducing factor. Other factors, including advancements in melting and granulation technologies to enhance energy and cost-effectiveness of urea, along with the growing demand for urea in the chemical industry, are projected to drive the market further.

Related Project: - <u>Urea Fertilizer- Start Business in Fertilizer Industry</u>





Emerging economies around the world are now realizing the importance of using nitrogenous fertilizers in agricultural production. The farmers of developing countries, such as China, India, Uganda, and Rwanda, are gaining knowledge regarding the accurate use of chemicals. Moreover, local companies are engaged in providing sales services regarding the technologies and crop nutrient requirements. These companies also educate the users regarding the potential harm caused by excess utilization of fertilizers and their correct storage and disposal methods.

Market Research: - Market Research Report





Product Type Insights

Urea and ammonia together account for over 50% of the total nitrogenous fertilizer market share in terms of both volume and revenue. Urea is also leading the product type segment in the market in terms of growth owing to its higher volume of consumption and affordable cost compared to the other products. It is majorly preferred for acidic soil for crops such as corn, strawberries, and blueberries.

The reaction of ammonia with carbon dioxide leads to the formation of urea. Hence, the price of the raw materials is among the major factors impacting the price trends of urea fertilizer. Along with this, the government subsidies in developing countries and last-minute buying trends in the U.S. and countries in Europe also affect the prices of the products in the global market.

Projects:- Project Reports & Profiles



Ammonia is the most commonly and traditionally used nitrogenous fertilizer. It is considered to be the richest source of nitrogen with around 82% of the element and hence is anticipated to grow at a CAGR of 4.4% from 2019 to 2025 in terms of revenue. It helps maintain the pH value in soil and makes the soil alkaline. Such type of soil is suitable for the cultivation of carrots, cauliflower, potatoes, peanuts, and a few other crops, which require a pH value greater than seven.

Books:- BOOKS & DATABASES





<u>Use of Fertilizer Additives in Various Applications to Drive the</u> <u>Global Fertilizer Additives Market</u>

Fertilizer additives are applied to various forms of fertilizers and ensure accurate application of fertilizers on the land. Depending on the manufacturing process, the particles of mineral fertilizers can be of various sizes and shapes, which include granules, pellets, 'prills,' crystals, and fine powder (dust). Most of the fertilizer additives are combined into granular fertilizers as compared to the other forms of application. The use of fertilizer additives during farming also helps the grower maintain the quality of produce. The combination of fertilizer additive and fertilizers helps in improving and increasing the yield. For instance, granular or dry fertilizers are available in the dry pelleted form, unlike spikes, liquid, and powder fertilizers.



The main advantage of using granular fertilizers is that they are similar to time-release capsules, allowing nutrients to flow out over time, instead of flooding the plants with nutrients, as liquid fertilizers. The increasing population and the increasing need to provide food to the growing population in the region continues to pose a major challenge, as arable land is limited and per capita arable land is decreasing in most of the Asian countries. This also encourages the application of fertilizer additives. Moreover, increasing farm expenditure has led to the increased market growth of fertilizer additives in this region.

Related Project: - <u>Urea Fertilizer- Start Business in Fertilizer Industry</u>





The growth of the organic fertilizers industry is a major factor restraining the market growth. The increasing awareness about health and wellness, the growing organic food industry, and significant increase in the cost of chemicals are factors that are fueling the growth of the global Biofertilizer market. In addition, the affordable cost of Biofertilizer, increasing focus on sustainable farming, rising government support, and environmental regulations are driving the Biofertilizer market globally.

Projects:- Project Reports & Profiles





List of Top Key Players in Urea Fertilizers:-

- QAFCO
- CF Industries
- **❖** SABIC
- Yangmei Chemical
- Yara
- Nutrien
- ❖ Koch Fertilizer
- EuroChem
- Shanxi tianze coal-chemical
- Rui Xing Group
- China XLX Fertiliser
- Shandong Lianmeng Chemical
- ❖ National Fertilizers ltd
- ❖ Coromandel International Ltd



- Hualu-hengsheng
- Dongguang Chemical
- Sichuan Lutianhua
- CVR Partners, LP
- Hubei Yihua Chemical Industry
- Luxi Chemical Group
- Coromandel International Ltd.
- Sinofert Holdings Limited.
- Bunge Limited
- ❖ OSTCHEM (Group DF)
- ❖ OCI Nitrogen
- ❖ National Chemical & Fertilizers Ltd
- ❖ Nagarujuna fertilizers and Chemicals Ltd
- ❖ Chambal Fertilisers & Chemicals Ltd

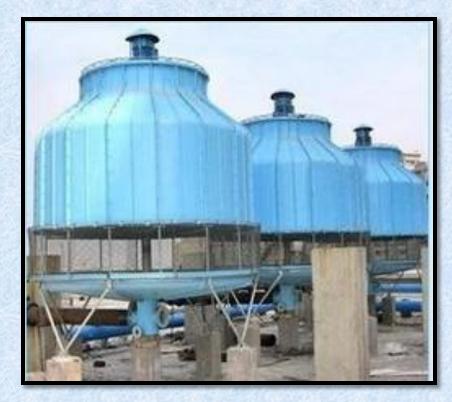


Machinery Photographs









COOLING TOWER



AIR COMPRESSOR

Propose

d

0.00

0.00

0.00

0.00

0.00

0.00

0.00

20147.3 20147.

15110.4 15110.

8

0.00 5036.83

Total

5036.8

0.00

0.00

0.00

0.00

0.00

0.00

0.00

31

48

MEANS OF FINANCE

Existing

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

Particulars

OShare Premium

50.00 Reserves & Surplus

Internal Cash

15.00 Debentures / Bonds

Unsecured

0.00 Borrowings

1 TOTAL

551.00 551.00 Loans/Deposits

Long/Medium Term

Other Type Share

Pro	iect	at a	Glan	ice

Pro.	ject	at	a G	lance
	100000000000000000000000000000000000000	The second second	38.0	

Particulars

Development Exp.

Plant & Machineries

Motor Vehicles

Equipments

Fees & Exp.

Deposits

TOTAL

Office Automation

Technical Knowhow

Franchise & Other

Preliminary& Pre-

operative Exp

Contingencies

Margin Money -

Working Capital

www.entrepreneurindia.co

Provision for

Land & Site

Buildings

COST OF PROJECT

Existing Proposed

0.0011340.00

50.00

0.00

15.00

730.31 730.31

20147.3

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.0020147.31

Proj	ect	at	a (anc	9		
						A CHARLES AND THE PROPERTY OF THE PARTY OF	

Total

100.00 100.00 Capital

11340.0

5760.00 5760.00 Capital

1101.00 1101.00 Cash Subsidy

500.00 500.00 Accruals

Project at a Glance

Year	Annu	alised	Book Value	Debt	Divide nd	Retai Earni		Payou t	Probabl e Market Price	P/E Ratio	Yield Price/ Book Value
					Per				FIICE	No.of	
	EPS	CEPS	Per S		Share	Per Sl	nare			Times	
	USD	USD	USD	USD	USD	%	USD	%	USD		%
			529.8	2400.0			519.8				
1-2	519.86	964.92	6	0	0.00	100.00	6	0.00	519.86	1.00	0.00
			1344.	1800.0			814.2				
2-3	814.24	1206.23	10	0	0.00	100.00	4	0.00	814.24	1.00	0.00
	1102.0		2446.	1200.0			1102.				
3-4	4	1447.79	14	0	0.00	100.00	04	0.00	1102.04	1.00	0.00
	1380.0		3826.				1380.				
4-5	1	1685.40	15	600.00	0.00	100.00	01	0.00	1380.01	1.00	0.00
	1646.4		5472.				1646.				
5-6	4	1916.57	59	0.00	0.00	100.00	44	0.00	1646.44	1.00	0.00



Assets Curre

nt

Ratio

0.92

1.41

2.00

2.69

5.67

Turno

ver

Ratio

1.37

1.49

1.51

1.46

1.37

Profitability Ratio

PAT

%

%

%

%

%

%

Net

bution

8.60 17979 59.05

.41

11.54 20948 58.97

.37

13.67 23940 58.97

.34

15.22 26932 58.97

.30

16.34 29924 58.96

.27

Contri Ratio

P/V

%

%

%

%

%

%

PI	roje	ect	at	a	GI	an	ICE	
3337182		美国市	371 179		No. of Street,	3115	-	
<i>l</i> ear	D.	S. C. 1	R.	Deb	t Equ	uit 7	Γotal	F

2	roj	ect	at		Gla	nce	
E83718	M. Tarry	A PARTY	SAL PARTY		S14553715	The state of	
Year]	D. S. C.	R.	Debt	Equit	Total	R

all

Indivi Cumul Over

(Number of times)

1.42

1.57

1.74

1.92

2.11

www.entrepreneurindia.co

2.11

ative

dual

1.42

1.74

2.12

2.56

3.07

Initi al

1-

2

2-

3

3-

4

4-5

5-6

Debt

3.00

1.58

0.77

0.35

0.12

0.00

(Number of

times)

Debt	Equit	Total	Retur
/ -	y as-	Net	n on
Depos	Equit	Worth	Net
its	V		Wort

%

1.96

1.06

0.57

0.30

0.14

h

%

GPM

%

19.1

6%

9%

6%

26.9

5%

28.0

9%

PBT

%

12.47

%

17.67

%

21.34

%

23.96

%

25.83

3.00

1.58

0.77

0.35

0.12

0.00

51.63%

56.18%

26.60%

Months

4.628

2 Years 3

Project at a Glance

BEP

BEP - Maximum Utilisation Year

Cash BEP (% of Installed Capacity)

Total BEP (% of Installed Capacity)

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)

Payback Period of the Project is (In Years)

Fixed Assets Coverage Ratio (No. of times)





Major Queries/Questions Answered in the Report?

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



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



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

- (npcs)
 - 13. What is the total size of land required for setting up Urea Fertilizer Manufacturing plant?
 - 14. What will be the income and expenditures for Urea Fertilizer Manufacturing Business?
 - 15. What are the Projected Balance Sheets of Urea Fertilizer Manufacturing plant?
 - 16. What are the requirement of utilities and overheads for setting up Urea Fertilizer Manufacturing plant?
 - 17. What is the Built up Area Requirement and cost for setting up Urea Fertilizer Manufacturing Business?

- 18. What are the Personnel (Manpower)
 Requirements for setting up Urea Fertilizer
 Manufacturing Business?
- 19. What are Statistics of Import & Export for Urea Fertilizer?
- 20. What is the time required to break-even of Urea Fertilizer Manufacturing Business?
- 21. What is the Break-Even Analysis of Urea Fertilizer Manufacturing plant?
- 22. What are the Project financials of Urea Fertilizer Manufacturing Business?



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



- 27. What are the Market Opportunities for setting up Urea Fertilizer Manufacturing plant?
- 28. What is the Market Study and Assessment for setting up Urea Fertilizer Manufacturing Business?
- 29. What is the Plant Layout for setting up Urea Fertilizer Manufacturing Business?

www.niir.org



Table of Contents of the Project Report



1.1. COUNTRY & GEOTECHNICAL SITE CHARACTERIZATION

- 1.1.1. General
- 1.1.2. History
- 1.1.3. Geography
- 1.1.4. Map
- 1.1.5. Climate
- 1.1.6. Demography
- 1.1.7. Transportation and telecommunication
- 1.1.8. Economy
- 2. INTRODUCTION
- 3. USES
- 4. ADVANTAGES
- 5. PROPERTIES



6. PRODUCT SPECIFICATIONS

7. MARKET SURVEY

- 7.1. GLOBAL UREA FERTILIZERS MARKET SCENARIO
- 7.1.1. Report Overview
- 7.1.2. Product Type Insights
- 7.1.3. Application Insights
- 7.1.4. Regional Insights
- 7.2. KEY COMPANIES & MARKET SHARE INSIGHTS

8. EXPORT & IMPORT: ALL COUNTRIES

- 8.1. EXPORT: ALL COUNTRIES
- 8.2. IMPORT: ALL COUNTRIES



9.	MANUFACTURING PROCESS
9.1.	AMMONIA PLANT
9.2.	UREA PLANT
9.3.	UTILITIES DESCRIPTION
9.3.1.	Power Generation
9.3.2.	Raw Water Treatment
9.3.3.	Cooling Tower
10.	PROCESS FLOW DIAGRAM
11.	EFFLUENTS TREATMENT SYSTEM
11.1.	DESCRIPTION REGARDING THE TREATMENT APPROACH OF
	VARIOUS EFFLUENT STREAMS
11.2.	FINAL TREATED EFFLUENT
11.2.1.	Nitrogen System
11.2.2.	Natural Gas System
11.2.3.	Ammonia Storage Tank
11.2.4.	Urea Storage
11.3.	FERTILIZER PLANT CONTROL SYSTEM
11.3.1.	Non-Plant Facilities
11.3.2.	Utilities for Construction



- 12. SUPPLIERS OF PLANT & MACHINERY
- 13. SUPPLIERS OF RAW MATERIAL
- 14. PHOTOGRAPHS/IMAGES FOR REFERENCE
- 14.1. MACHINERY PHOTOGRAPHS
- 14.2. RAW MATERIAL PHOTOGRAPHS
- 14.3. PRODUCT PHOTOGRAPHS
- 15. PLANT LAYOUT



Project Financials

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

	npcs)	나 있는데 하는 것은 경우를 잃어 수 있는데 하는
		hinery5
		Indigenous Machineries
		Other Machineries (Miscellaneous, Laboratory etc.)
•	Other Fixed	Assets6
		Furniture & Fixtures
		Pre-operative and Preliminary Expenses
		Technical Knowhow
		Provision of Contingencies
•	Working Capital Requirement Per Month7	
		Raw Material
		Packing Material
		Lab & ETP Chemical Cost
		Consumable Store



•	Overheads Required Per Month and Per Annum
•	Salary and Wages9
•	Turnover Per Annum10
•	Share Capital11
	Equity Capital Preference Share Capital



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



- Annexure 3 :: Assessment of Working Capital requirements
- Current Assets
- Gross Working Capital
- Current Liabilities
- Net Working Capital
- Working Note for Calculation of Work-in-process
- Annexure 4 :: Sources and Disposition of Funds



- Annexure 5 :: Projected Balance Sheets
- ROI (Average of Fixed Assets)
- RONW (Average of Share Capital)
- ROI (Average of Total Assets)
- Annexure 6 :: Profitability Ratios
- D.S.C.R
- Earnings Per Share (EPS)
- Debt Equity Ratio



• Annexure 7 :: Break-Even Analysis

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



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

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



- Annexure 12 :: Shareholding Pattern and Stake Status
- Equity Capital
- Preference Share Capital
- Annexure 13 :: Quantitative Details-Output/Sales/Stocks
- Determined Capacity P.A of Products/Services
- Achievable Efficiency/Yield % of Products/Services/Items
- Net Usable Load/Capacity of Products/Services/Items
- Expected Sales/ Revenue/ Income of Products/ Services/
 Items



• Annexure 14 :: Product wise Domestic Sales

Realisation

• Annexure 15 :: Total Raw Material Cost

• Annexure 16 :: Raw Material Cost per unit

• Annexure 17 :: Total Lab & ETP Chemical Cost

• Annexure 18 :: Consumables, Store etc.

• Annexure 19 :: Packing Material Cost

• Annexure 20 :: Packing Material Cost Per Unit



•	Annexure 21	••	Employees Expenses

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



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



Reasons for Buying our Report:

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



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



Our Approach:

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

Scope of the Report

The report titled "Market Survey cum Detailed Techno Economic Feasibility Report on Urea Fertilizer." provides an insight into Urea Fertilizer market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Urea Fertilizer project. The report assesses the market sizing and growth of the Indian Urea Fertilizer 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 Urea Fertilizer sector in India along with its business prospects. Through this report we have identified Urea Fertilizer project as a lucrative investment avenue.



Tags

```
#UreaFertilizer
                                        #UreaFertilizermanufacturing
#UreaFertilizerProduction
                                                #UreaFertilizerMarket
#UreaFertilizerBusiness
                           #FertilizerBusiness
                                                   #FertilizerIndustry
#FertilizerManufacturing
                            #Agriculture
                                            #ChemicalsManufacturing
#FertilizerProduction
                         #FertilizerMarket
                                              #FertilizerBusinessPlan
#FertilizerProductionLine
                                                    #FertilizerProject
#FertilizerProductionBusiness #Fertilizerplant #FertilizerInvestment
#fertilizer #inorganicfertilizer #agribusiness #fertilizerIndustry
```

www.entrepreneurindia.co



```
#BusinessPlan
#DetailedProjectReport
                            #businessconsultant
#feasibilityReport
                   #NPCS
                            #industrialproject
                                                #entrepreneurindia
#startupbusiness
                      #Startupbusinessideas
                                                 #businessestostart
#startupideas
                    #businessstartupindia
                                                 #growyourbusiness
#businessopportunity
                      #InvestmentOpportunities
                                                  #investmentideas
#profitablebusiness #howtostartbusiness #potentialbusinessidea
```



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

Urea Fertilizer- Start Business in Fertilizer Industry

See more

Project Reports & Profiles BOOKS

Market Research Report



Visit us at

www.entrepreneurindia.co

www.niir.org



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

https://goo.gl/VstWkd

Locate us on Google Maps

https://goo.gl/maps/BKkUtq9gevT2



OUR CLIENTS

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

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



Select and Choose the Right Business Startup for You

(Instant Online Project Identification and Selection)

Finding the right startup business is one of the most popular subject today. Starting a business is no easy endeavor, but the time, effort, and challenges can be worth it if you succeed. To give yourself the best chance to be successful, take your time to carefully find the right business for you. We, at NPCS, endeavor to make business selection a simple and convenient step for any entrepreneur/startup. Our expert team, by capitalizing on its dexterity and decade's long experience in the field, has created a list of profitable ventures for entrepreneurs who wish to diversify or venture. The list so mentioned is updated regularly to give you a regular dose of new emerging opportunities.

Visit: https://www.entrepreneurindia.co/project-identification



Download Complete List of Project Reports:

Detailed Project Reports

Visit:- https://www.entrepreneurindia.co/complete-project-list

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

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



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

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

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



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

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



Contact us

NIIR PROJECT CONSULTANCY SERVICES

106-E, Kamla Nagar, Opp. 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: www.entrepreneurindia.co, www.niir.org

Take a look at NIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd



NIIR PROJECT CONSULTANCY SERVICES

AN ISO 9001: 2015 CERTIFIED COMPANY

www.niir.org



Who are we?

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



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



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



What do we offer?

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

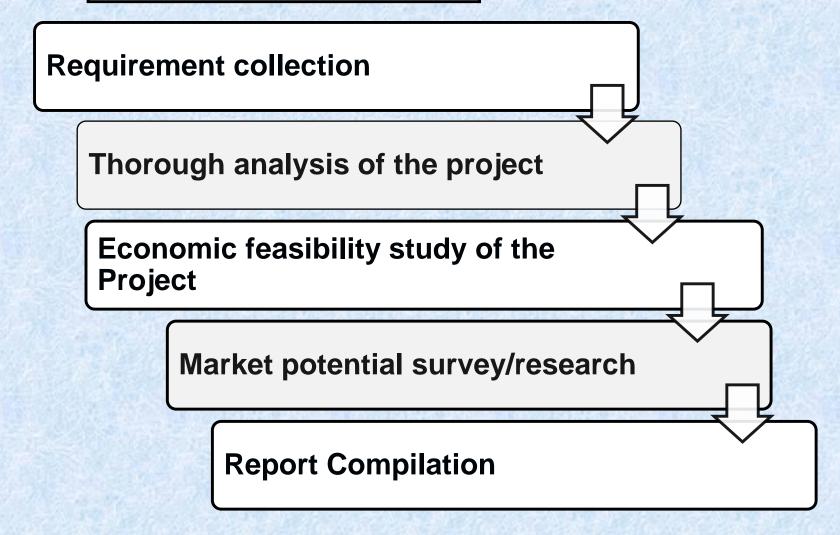


How are we different?

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



Our Approach





Who do we Serve?

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



Sectors We Cover

- o Ayurvedic And Herbal Medicines, Herbal Cosmetics
- o 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



Sectors We Cover Cont...

- 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



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
- o Inks, Stationery And Export Industries



Sectors We Cover

Cont...

- 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
- o Organic Farming, Neem Products Etc.



Sectors We Cover cont..

- 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
- o 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...

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



MARKET RESEARCH REPORTS



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:
 - Something of the industry

 Something in the
 - &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
- ⊗To evaluate the competitive landscape of the industry by detailing:
 - Key players with their market shares
 - >> Financial comparison of present players



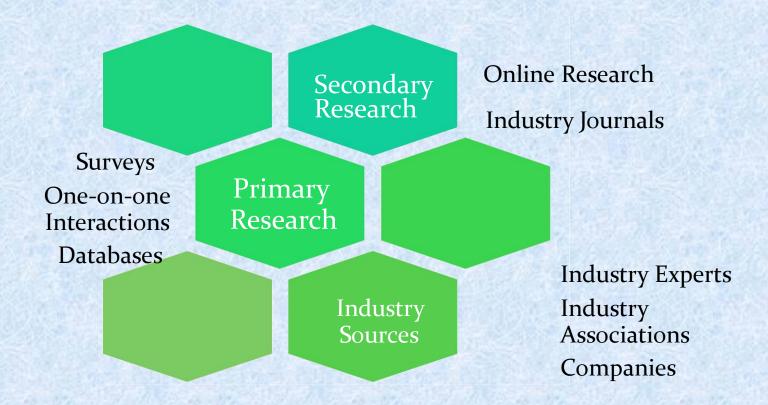
Clientele

- ⊗Venturist/Capitalists
- >> Entrepreneur/Companies
- **∞**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

research veterans with decades of experience



Structure of the Report

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



Structure of the Report

Cont

- №5. Key Financials and Analysis
- ≥5.1 Contact Information
- ≈5.2 Key Financials
- ≈5.3 Financial comparison
- №6. Industry Size & Outlook



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

https://goo.gl/VstWkd



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

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

Take a look at NIIR PROJECT CONSULTANCY SERVICES on #StreetView

https://goo.gl/VstWkd



Follow us



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



>https://www.facebook.com/NIIR.ORG



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



>https://twitter.com/npcs_in



https://www.pinterest.com/npcsindia/



