



# **Micronutrients Fertilizer Manufacturing Industry.**

## **Production of Micronutrients Fertilizer for Fruits, Vegetables and Citrus.**

### **Agricultural Micronutrient for Crop Production**

# Introduction

**A commercial fertilizer that contains commercially valuable concentrations of micronutrients but does not contain commercially valuable concentrations of nitrogen, phosphoric acid, available phosphorus, potash, calcium, magnesium, or sulfur. Micronutrients include boron, chlorine, cobalt, copper, iron, manganese, molybdenum, sodium, and zinc.**



## ***Features:***

- **Suitable for fustigation and foliar applications**
- **Support nitrogen fixation and nitrate reduction**
- **Accurate composition**
- **Homogeneous free flowing usage**

**Micro Nutrient Fertilizer play a vital role in several physio-biochemical reactions taking place within the plant cells. Some act as co-factors to enzymes and help in enzymatic reactions, some help in the synthesis of various pigments such as chlorophylls, xanthophylls, carotenes etc. Several translocations of biological intermediates are facilitated through micronutrients. They are indispensable in the biosynthesis of basic building blocks of the cells such as the DNA, RNA & proteins.**

**Banana an important plantation crop, is sensitive to micronutrient deficiencies. Bark splitting, leaf crumbling, leaf discoloration etc. are various symptoms exhibited in diseased plants. Timely application of Ultra Boost for Banana can prevent such symptoms and help plants regain their natural growth and vigour.**



## Benefits:

- **Iron (Fe) is the O<sub>2</sub> carrier in photosynthesis and helps in cell division & growth**
- **Manganese (Mn) aids in chlorophyll synthesis & promotes photosynthesis**
- **Zinc (Zn) regulates plant hormones & enzymes**
- **Boron (B) helps in sugar translocation and promotes fruit maturity**
- **Copper (Cu) is pivotal for photosynthesis and increases sugar content & flavor of fruit**

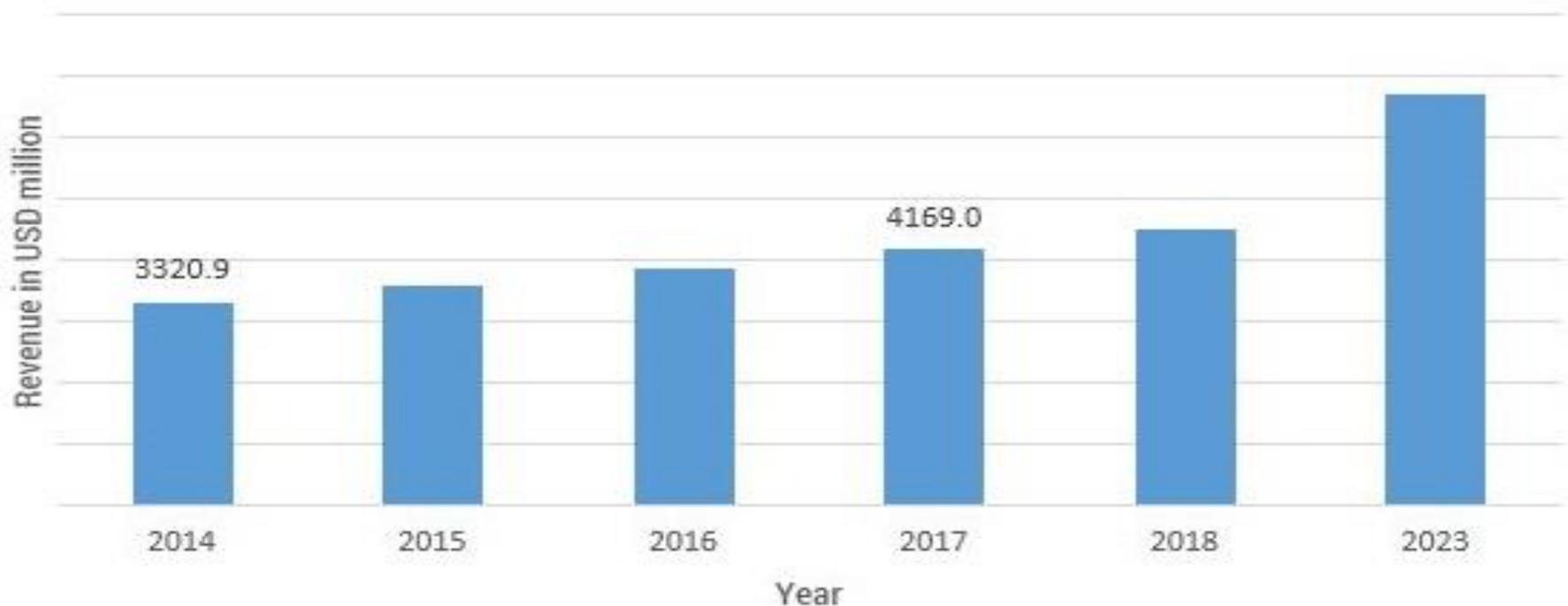


**The global micronutrient fertilizers market was estimated at USD 4169 million in 2017, and is expected to exhibit a CAGR of 8.2% during the forecast period, 2018-2023.**

**The global micronutrient fertilizer market is growing at an encouraging rate given the increasing occurrence of soil and micronutrient depletions across the regions.**

**However, fruits & vegetables are expected to register the fastest growth in demand for micronutrients, during the forecast period, exhibiting a CAGR of 8.6%. Oil seeds, and pulses held the third position, in terms of market revenue in 2017. Other crop types such as decorative plants and flowers are also likely to offer opportunities for micronutrient manufacturers.**

# Global Micronutrient Fertilizer Market: Revenue in USD Million, 2014-2023



**The growing population, and the increase in the disposable income of the population in developing countries have increased the consumption of agricultural products. This factor is leading to an increase in the demand for agricultural micronutrients, like zinc, and manganese, in order to meet the growing demand for food.**

**Global micronutrient fertilizer market is segmented on the basis of nutrient type, form, function and crop type in order to provide a better understanding of the regional market and trends. Market segmentation by type of micronutrient includes copper, zinc, Manganese, Boron, Molybdenum, Iron and other micronutrient such as chlorine, Nickel and cobalt. These fertilizers are available in two forms chelated and non-chelated. Non-chelated form are more common as these are more stable and easily soluble. In case of product application, grains and cereal crops amount to most of the demands globally.**

**Major factors favoring the growth of the micronutrient fertilizers market are growing demand for crops, shrinking land area, increasing micronutrient deficiency in the soil, and increased focus on agricultural productivity in the region. The constraints which limit the growth of the market are lack of awareness among the farmers and micronutrient toxicity. Owing to the various benefits of micronutrient fertilizers, R&D in this market has increased. Continuous support of governmental and non-governmental organizations worldwide in product development and farmer's education is creating further opportunities for growth of this segment.**



**Fruits & vegetables are expected to register the fastest growth in demand for micronutrients, during the forecast period, exhibiting a CAGR of 8.6%. Oil seeds, and pulses held the third position, in terms of market revenue in 2017. Other crop types such as decorative plants and flowers are also likely to offer opportunities for micronutrient manufacturers. By geography, Asia-Pacific led the market in 2017, and held over 42% of the market. North America followed Asia-Pacific for the demand for micronutrients, but is expected to exhibit the fastest growth in the coming years.**



## **Fertilizers Market in India**

**India is the second biggest consumer of fertilizer in the world next only to China. The Indian fertilizer market was worth INR 4,675 Billion in 2017. Looking forward, the market is projected to reach INR 9,987 Billion by 2023, at a CAGR of around 13% during 2018-2023.**

**The demand for fertilizers in the country has been growing due to increasing demand for food grains on account of the country's burgeoning population. However, excessive and repeated use of urea has resulted in creating an imbalance in the nutrient profile of the soil in most parts of the country, thereby decreasing productivity.**



**The increasing population growth has led to food security concern and increased awareness among the farmers about the uses of fertilizers. Some of the other factors driving the growth of the market are high government subsidies and growing investments in the fertilizer industry. There is a shortage of raw materials in the country and the consequent dependency on imports is leading to volatile prices in the fertilizer industry. However, the new policies will help in stabilizing the raw material prices during the coming years.**

**Fertilizers have played a key role in the success of India's green revolution and subsequent self-reliance in food-grain production. The increase in fertilizer consumption has contributed significantly to sustainable production of food grains in the country. As a result, the demand of fertilizers has witnessed double digit growth rates over the past several years. Increasing rural incomes, coupled by easy availability of credit, are also likely to create a positive impact on fertilizer usage in the country.**

***Key Players:*** The Mosaic Company, FMC Corporation, Akzonobel NV, Yara International, BASF SE, Agrium Inc., Valagro Spa, Coromandel International Limited, Wolf Trax, Sapec Group, Auriga Group, ATP Nutrition Ltd, Wilbur-Ellis Company (US), The Andersons Plant Nutrition (Nulex Inc.), Stoller Enterprises Inc., Zuari Agro Chemicals Ltd, Bms Micro-Nutrients NV, Baicor LC, Arysta Lifescience Corporation, Aries Agro Ltd., Drexel Chemical, Old Bridge Chemicals Inc.



# Machinery Photographs



**REACTION KETTLE**



**SIEVE SHAKER**



**AUTOMATIC PACKAGING  
MACHINES**



**WEIGHING SCALE**

# Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existin g	Propose d	Total	Particulars	Existin g	Propos ed	Total
Land & Site				Capital	0.00	8.81	8.81
Development Exp.	0.00	0.00	0.00	Share Premium	0.00	0.00	0.00
Buildings	0.00	0.00	0.00	Other Type Share			
Plant & Machineries	0.00	10.90	10.90	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	2.00	2.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	4.25	4.25	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	7.00	7.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	26.44	26.44
Preliminary& Pre-				Debentures /			
operative Exp	0.00	0.50	0.50	Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	1.00	1.00	Loans/Deposits	0.00	0.00	0.00
Margin Money -							
Working Capital	0.00	9.60	9.60				
TOTAL	0.00	35.25	35.25	TOTAL	0.00	35.25	35.25



# 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				
1-2	4.66	8.42	14.66	24.00	0.00	100.00	4.66	0.00	4.66	1.00	0.00
2-3	8.24	11.57	22.90	18.00	0.00	100.00	8.24	0.00	8.24	1.00	0.00
3-4	11.66	14.62	34.55	12.00	0.00	100.00	11.66	0.00	11.66	1.00	0.00
4-5	14.83	17.49	49.39	6.00	0.00	100.00	14.83	0.00	14.83	1.00	0.00
5-6	17.74	20.13	67.13	0.00	0.00	100.00	17.74	0.00	17.74	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		
Initial	(Number of times)			(Number of times)		%	%	%	%	%		%		
1-2	1.26	1.26		3.00	3.00			19.96%	4.81%	3.48%	71.76	60.8%	2.25	1.21
2-3	1.65	1.45		0.79	0.79	2.21		21.71%	7.99%	5.28%	65.64	47.7%	2.33	1.33
3-4	2.09	1.64	2.07	0.35	0.35	1.42		22.85%	10.16%	6.53%	74.59	47.4%	2.29	1.50
4-5	2.60	1.85		0.12	0.12	0.96		23.58%	11.62%	7.39%	83.53	47.2%	2.18	1.69
5-6	3.19	2.07		0.00	0.00	0.69		24.01%	12.57%	7.95%	92.48	47.0%	2.04	2.15



# Project at a Glance

## BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	67.75%
Total BEP (% of Installed Capacity)	70.03%
IRR, PAYBACK and FACR	
Internal Rate of Return .. ( In %age )	29.95%
Payback Period of the Project is ( In Years )	2 Years 4 Months
Fixed Assets Coverage Ratio ( No. of times )	20.590

# Major Queries/Questions Answered in the Report?

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

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

**9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Micronutrients Fertilizer Manufacturing plant ?**

**10. What are the requirements of raw material for setting up Micronutrients Fertilizer Manufacturing plant ?**

**11. Who are the Suppliers and Manufacturers of Raw materials for setting up Micronutrients Fertilizer Manufacturing Business?**

**12. What is the Manufacturing Process of Micronutrients Fertilizer?**



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

**18. What are the Personnel (Manpower) Requirements for setting up Micronutrients Fertilizer Manufacturing Business?**

**19. What are Statistics of Import & Export for Micronutrients Fertilizer?**

**20. What is the time required to break-even of Micronutrients Fertilizer Manufacturing Business?**

**21. What is the Break-Even Analysis of Micronutrients Fertilizer Manufacturing plant?**

**22. What are the Project financials of Micronutrients Fertilizer Manufacturing Business?**

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

**27. What are the Market Opportunities for setting up Micronutrients Fertilizer Manufacturing plant?**

**28. What is the Market Study and Assessment for setting up Micronutrients Fertilizer Manufacturing Business?**

**29. What is the Plant Layout for setting up Micronutrients Fertilizer Manufacturing Business?**

# Table of Contents of the Project Report



## **1. District Profile & Geotechnical Site Characterization**

- 1.1. General Characteristics of the District:
- 1.2. Location & Geographical Area:
- 1.3. Topography:
- 1.4. Administrative set up.
- 1.5. Map
- 1.6. Industry at a Glance
- 1.7. Large Scale Industries/Public Sector undertakings
- 1.8. Potentials Areas for Service Industry

## **2. Introduction**

## **3. Description of Micronutrients Nutrition**

- 3.1. Micronutrients Nutrition

## **4. Crop Response to Micronutrients**

## **5. Micronutrients Fertilizer Sources**

- 5.1. Micronutrient Fertilizer Sources
- 5.2. Inorganic Sources
- 5.3. Synthetic Chelates
- 5.4. Natural Organic Complexes
- 5.5. Frits

## **6. Application with Mixed Fertilizers**

- 6.1. Incorporation with Granular Fertilizers
- 6.2. Bulk Blending with Granular Fertilizers

- 6.3. Coating Granular Fertilizers
- 6.4. Fluid Fertilizers
- 6.5. Foliar Sprays

## **7. Micronutrients Rates and Example Results**

- 7.1. Boron
- 7.2. Copper
- 7.3. Iron
- 7.4. Manganese
- 7.5. Molybdenum
- 7.6. Zinc

## **8. Market Survey**

- 8.1. Chemical Fertilisers
- 8.2. Nitrogenous Fertilisers
- 8.3. Market Structure
- 8.4. Urea
- 8.5. Market Structure
- 8.6. Di-ammonium Phosphate (DAP)
- 8.7. Market Structure
- 8.8. Phosphatic Fertilisers
- 8.9. Market Structure
- 8.10. Single Super Phosphate (SSP)
- 8.11. Market Structure
- 8.12. Biotechnology Products
- 8.13. Market Structure
- 8.14. Agricultural Micronutrients Market



## **9. Financials & Comparison of Major Indian Players/Companies**

- 9.1. About Financial Statements of CMIE Database
- 9.2. Profits & Appropriations
- 9.3. Total Liabilities
- 9.4. Total Assets
- 9.5. Net Cash Flow from Operating Activities
- 9.6. Section – I
  - 9.6.1. Name of Company with Contact Details
  - 9.6.2. Name of Director(S)
  - 9.6.3. Plant Capacity
  - 9.6.4. Location of Plant
  - 9.6.5. Name of Raw Material(S) Consumed With Quantity & Cost
- 9.7. Section – II
  - 9.7.1. Assets
  - 9.7.2. Cash Flow
  - 9.7.3. Cost as% Ge of Sales
  - 9.7.4. Forex Transaction
  - 9.7.5. Growth in Assets & Liabilities
  - 9.7.6. Growth in Income & Expenditure
  - 9.7.7. Income & Expenditure
  - 9.7.8. Liabilities
  - 9.7.9. Liquidity Ratios
  - 9.7.10. Profitability Ratio
  - 9.7.11. Profits
  - 9.7.12. Return Ratios
  - 9.7.13. Structure of Assets & Liabilities (%)
  - 9.7.14. Working Capital & Turnover Ratios

- 10. Export & Import Statistics Data of India
- 10.1. Export Statistics Data on Micronutrients Fertilizer
- 10.2. Import Statistics Data on Micronutrients Fertilizer

## **11. Present Manufacturers**

## **12. Micronutrients in Banana**

- 12.1. Importance of Nutrients
- 12.2. Micro Nutrient

## **13. Foliar Micronutrients Formulation for Banana**

- 13.1. Physiological Disorder
- 13.2. Kottai Vazhai
- 13.3. Finger Drop
- 13.4. Peel Splitting
- 13.5. Chilling Injury
- 13.6. Choke Throat
- 13.7. Goose Flesh
- 13.8. Hard Lump
- 13.9. Neer Vazhai
- 13.10. Abrasion Injury
- 13.11. NOVEMBER DUMP

## **14. Response of Lemon to Micronutrients Fertilization**

## **15. Manufacturing Process of Micronutrients Fertilizer**

15.1. General Manufacture and Formulation

## **16. Process Flow Diagram**

## **17. Suppliers of Raw Material**

## **18. Suppliers of Plant & Machinery**

## **19. Product, Machinery & Raw Material Photographs**

19.1. Micronutrients Fertilizer

19.2. Machinery Photographs

19.3. Raw Material Photographs



# *Project Financials*

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

- **Plant & Machinery.....5**
  - Indigenous Machineries**
  - Other Machineries (Miscellaneous, Laboratory etc.)**
  
- **Other Fixed Assets.....6**
  - Furniture & Fixtures**
  - Pre-operative and Preliminary Expenses**
  - Technical Knowhow**
  - Provision of Contingencies**
  
- **Working Capital Requirement Per Month.....7**
  - Raw Material**
  - Packing Material**
  - Lab & ETP Chemical Cost**
  - Consumable Store**

- **Overheads Required Per Month and Per Annum.....8**  
  - Utilities & Overheads (Power, Water and Fuel Expenses etc.)**
  - Royalty and Other Charges**
  - Selling and Distribution Expenses**
  
- **Salary and Wages .....9**
  
- **Turnover Per Annum .....10**
  
- **Share Capital.....11**  
  - 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 Micronutrients Fertilizer for Banana, Vegetables & Citrus.” provides an insight into Micronutrients Fertilizer market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Micronutrients Fertilizer project. The report assesses the market sizing and growth of the Indian Micronutrients 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 Micronutrients Fertilizer sector in India along with its business prospects. Through this report we have identified Micronutrients Fertilizer project as a lucrative investment avenue.**

# Tags

#Production\_of\_Micronutrients\_Fertilizer,  
#Micronutrient\_Fertilizer\_Manufacturing\_Business\_Plan, #Micronutrient\_Fertilizer,  
Micronutrients Fertilizer Manufacturing Plant, How to Make Micronutrients Fertilizer,  
#Micronutrient\_Fertilizer\_Composition, #Micronutrients\_Fertiliser\_Manufacturing\_Process,  
Micronutrients Fertilizer Production, Fertilizer Manufacturing Plant,  
#Micronutrients\_Fertilizer\_for\_Banana, Banana Micronutrient Fertilizer, Micro Nutrient  
Fertilizer, Banana Fertilizer, Micronutrients Fertilizer for Banana,  
#Vegetables\_and\_Citrus\_Micronutrients\_Fertilizer\_Manufacture, Plant Micronutrients,  
Vegetable Fertilizer, Micronutrients for Crop Production, Fertilizing Vegetables, Micronutrient  
Manufacturing Business, How to Make Micronutrients Fertilizer, How Fertilizer is Made?  
Micronutrient Fertilizer Industry, Micronutrient Production, How to Manufacture of  
Micronutrients Fertilizer, Fertilizer Manufacturing Business Ideas, Profitable Fertilizer  
Production Business Ideas, Micronutrient Manufacture, Fertilizer Production Business,  
#Project\_Report\_on\_Micronutrients\_Fertilizer\_Manufacturing\_Industry, Detailed Project  
Report on Micronutrients Fertilizer Production, Project Report on Micronutrients Fertilizer  
Manufacturing Business, Pre-Investment Feasibility Study on Micronutrients Fertilizer  
Manufacturing, Techno-Economic feasibility study on Micronutrients Fertilizer Production,  
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**Production of Micronutrients Fertilizer for**  
**Fruits, Vegetables and Citrus.**

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### ▪ Detailed Project Reports

**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

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# **Niir PROJECT CONSULTANCY SERVICES**

**An ISO 9001:2015 Company**



[www.entrepreneurindia.co](http://www.entrepreneurindia.co)

# 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

**Requirement collection**

**Thorough analysis of the project**

**Economic feasibility study of the Project**

**Market potential survey/research**

**Report Compilation**



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