

Biofertilizer and Phosphate Rich Organic Manure (PROM)

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, Plant Layout, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis

Introduction

A bio fertilizer (also bio-fertilizer) is a substance which contains living microorganisms which, when applied to seeds, plant surfaces, or soil, colonize the rhizosphere or the interior of the plant and promotes growth by increasing the supply or availability of primary nutrients to the host plant. Bio-fertilizers add nutrients through the natural processes of nitrogen fixation, solubilizing phosphorus, and stimulating plant growth through the synthesis of growth-promoting substances.

Bio-fertilizers can be expected to reduce the use of chemical fertilizers and pesticides. The microorganisms in bio-fertilizers restore the soil's natural nutrient cycle and build soil organic matter.

Phosphate rich organic manure is a type of fertilizer used as an alternative to diammonium phosphate and single super phosphate.



Phosphorus is required by all plants but is limited in soil, creating a problem in agriculture. In many areas phosphorus must be added to soil for the extensive plant growth that is desired for crop production. Phosphorus was first added as a fertilizer in the form of single super phosphate (SSP) in the mid-nineteenth century, following research at Rothamsted experimental station in England. SSP is non-nitrogen fertilizer containing phosphate in the form of monocalcium phosphate and gypsum which is best suited for alkali soils to supplement phosphate and reduce soil alkalinity.

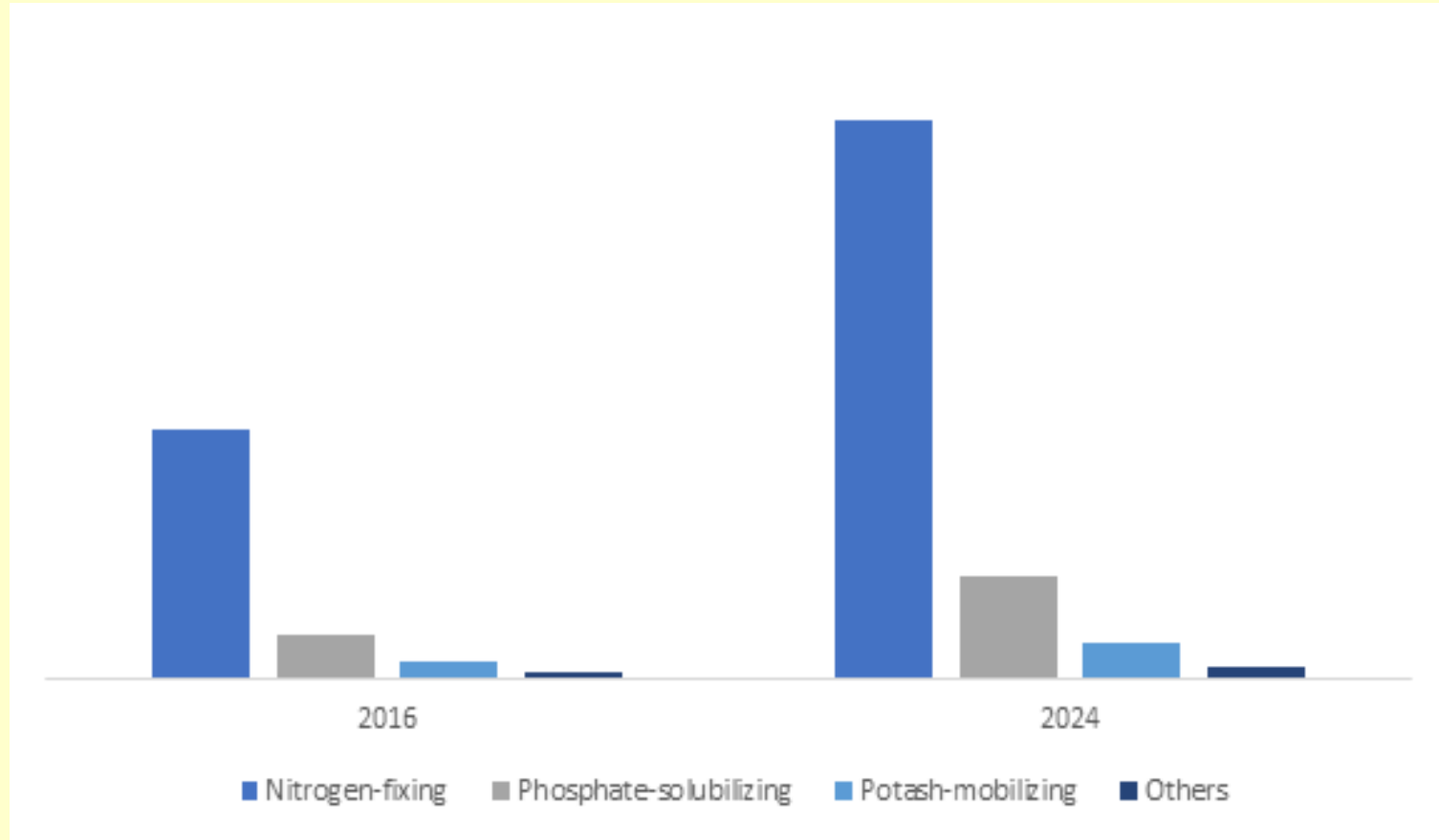
Biofertilizers and prom are a product that is likely to be commercially promising in the long run once information becomes available adequately to producers and farmers through experience and communication. In India, government has been trying to increase the application of bio fertilizers along with modern agrochemicals.

With the increasing pressure on global food production and development in technologies of fertilizer production, the demand for fertilizers is expected to increase, which in turn would enhance the growth of the biofertilisers market. As a whole it is a good project for new entrepreneurs to invest.

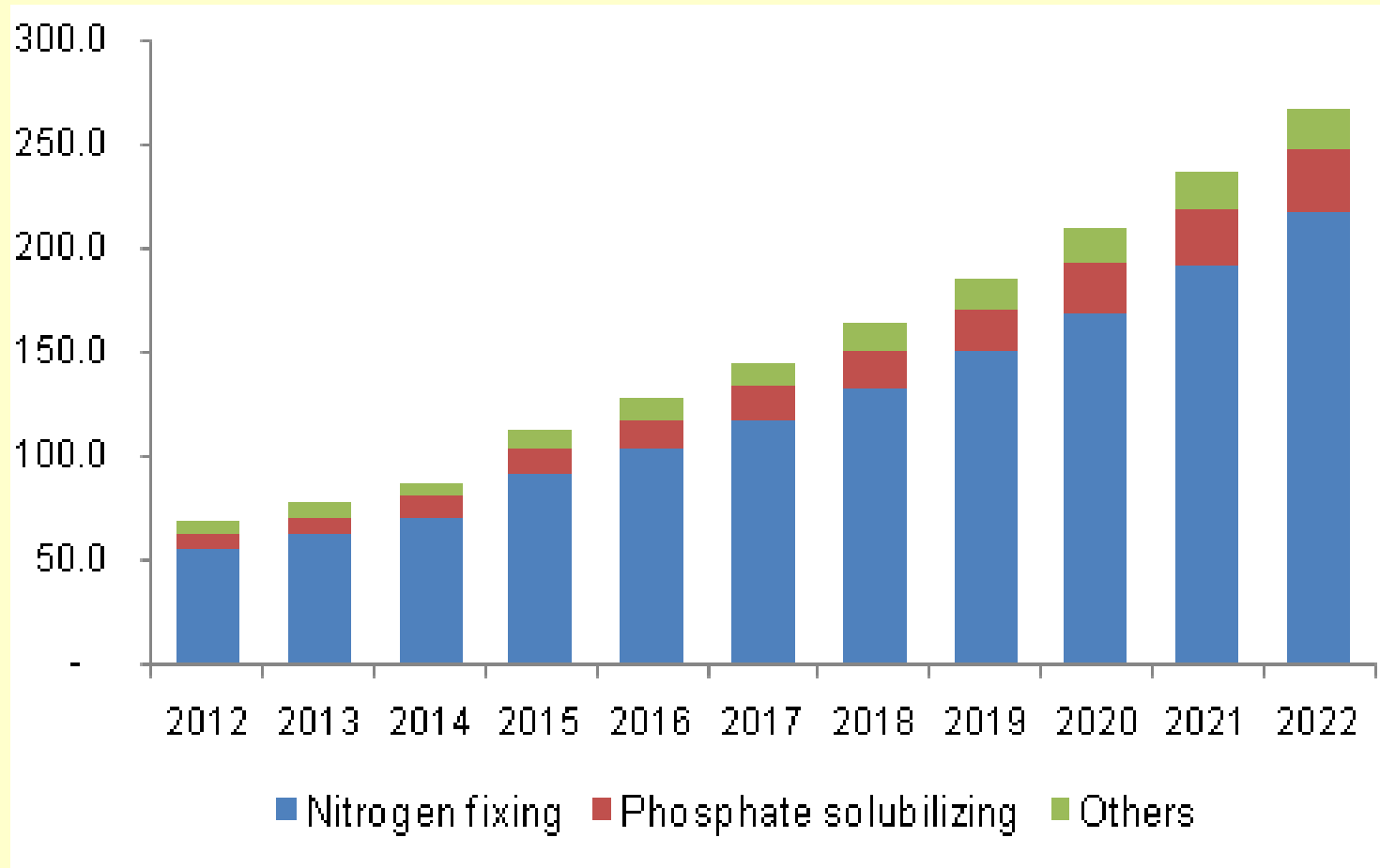
Market Outlook

The biofertilizers market was valued at USD 946.6 Million in 2015; the market is projected to grow at a CAGR of 14.08% from 2016 to 2022.

U.S. Biofertilisers Market Size, By Product, 2016 & 2024 (Tons)



U.S. Biofertilisers Market Revenue by Product, 2012-2022 (USD Million)



Global biofertilizers market size was estimated at USD 535.8 million in 2014.

The global bio-fertilizers market is projected to expand at a CAGR of 13.6% over the forecast period i.e. 2016-2023. Further, the global market estimated to reach USD 1.58 Billion By 2023 from USD 610.2 Million in 2015.

The global biofertilizers market was \$1.06 billion in 2016 and is estimated to reach \$2.1 billion, at a CAGR of 12.04% by 2022.

Few Indian Major Players are as under

- Abellonagrisciences Ltd.
- Agro Extracts Ltd.
- Champion Agro Ltd.
- Jupiter Biotech Ltd.
- Jutlibari Tea Co. Ltd.
- Krishna Industrial Corpn. Ltd.
- Madras Fertilizers Ltd.
- National Fertilizers Ltd.

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site				Capital	0.00	30.52	30.52
Development Exp.	0.00	3.00	3.00	Share Premium	0.00	0.00	0.00
Buildings	0.00	33.00	33.00	Other Type Share			
Plant & Machineries	0.00	41.50	41.50	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	6.00	6.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	17.00	17.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow							
Fees & Exp.	0.00	10.00	10.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term			
Deposits	0.00	0.00	0.00	Borrowings	0.00	91.55	91.55
Preliminary & Pre-operative Exp	0.00	1.00	1.00	Debentures / Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	4.00	4.00	Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	6.57	6.57				
TOTAL	0.00	122.07	122.07	TOTAL	0.00	122.07	122.07



Project at a Glance

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/Book Value
	EPS	CEPS	Per Share		Per Share	Per Share				No.of Times	
	`	`	`	`	`	%	`	%	`		%
1-2	4.06	8.58	14.06	24.00	0.00	100.00	4.06	0.00	4.06	1.00	0.00
2-3	7.05	11.02	21.11	18.00	0.00	100.00	7.05	0.00	7.05	1.00	0.00
3-4	9.94	13.44	31.05	12.00	0.00	100.00	9.94	0.00	9.94	1.00	0.00
4-5	12.69	15.78	43.75	6.00	0.00	100.00	12.69	0.00	12.69	1.00	0.00
5-6	15.28	18.01	59.02	0.00	0.00	100.00	15.28	0.00	15.28	1.00	0.00



Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Retur n on Net Worth	Profitability Ratio					Assets Turnov er Ratio	Curre nt Ratio
	Individ ual	Cumulat ive	Overa ll					GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.28	1.28		1.71	1.71	2.08		23.89 %	10.10%	7.49%	121.3 0	73.41 %	1.34	0.89
2-3	1.58	1.42		0.85	0.85	1.14		28.10 %	16.75%	11.16 %	138.6 7	71.93 %	1.49	1.31
3-4	1.94	1.58	1.93	0.39	0.39	0.61		30.89 %	21.35%	13.77 %	158.4 1	71.90 %	1.52	1.88
4-5	2.36	1.75		0.14	0.14	0.31		32.72 %	24.56%	15.63 %	178.1 5	71.87 %	1.47	2.55
5-6	2.86	1.93		0.00	0.00	0.14		33.87 %	26.76%	16.93 %	197.8 9	71.86 %	1.37	5.66



Project at a Glance

BEP

BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	58.31%
Total BEP (% of Installed Capacity)	62.52%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	24.78%
Payback Period of the Project is (In Years)	2 Years 4 Months
Fixed Assets Coverage Ratio (No. of times)	4.605



Major Queries/Questions Answered in the Report?

- 1. What is Biofertiliser and Phosphate Rich Organic Manure (PROM) Manufacturing industry ?**
- 2. How has the Biofertilizer and Phosphate Rich Organic Manure (PROM) Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Biofertiliser and Phosphate Rich Organic Manure (PROM) Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Biofertilizer and Phosphate Rich Organic Manure (PROM) Manufacturing plant ?**

- 5. What is the structure of the Biofertiliser and Phosphate Rich Organic Manure (PROM) Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Biofertiliser and Phosphate Rich Organic Manure (PROM) Manufacturing plant ?**
- 7. What are the operating costs for setting up Biofertilizer and Phosphate Rich Organic Manure (PROM) Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Biofertilizer and Phosphate Rich Organic Manure (PROM) Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Biofertilizer and Phosphate Rich Organic Manure (PROM) Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Biofertilizer and Phosphate Rich Organic Manure (PROM) Manufacturing plant?**
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Reasons for buying our report:

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

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

Our Approach:

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

Scope of the Report

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

Bio Fertilizer Process Plant, Biofertilisers Manufacturing Plant, Production of Biofertilizers, Manufacture of Biofertilizer, Biofertilizer Production, Report for Biofertilizer Production Unit, Bio-Fertilizer Processing, Biofertilisers Production Process, Bio Fertilizer Manufacturing Process, Biofertilizer Production Project, Bio Fertilizer Plant, Production of Biofertilizers, Large Scale Production of Biofertilizers, Biofertilizers Process, Bio Fertilizer Manufacturing, Biofertilisers Production Line, Bio-Fertilizer Production Unit, Biofertilizer Plant Manufacture, Process of Producing Biofertilizer, Preparation of Bio Fertilizers, Manufacturing Process of Biofertilisers, Biofertilizer Manufacturing Plants, Starting Biofertilizer Production Line, Biofertilizers Production Plant, Production Process of Biofertilizer, Biofertilizer Production Methods, Method for Manufacturing of Biofertilisers, Business Opportunity in Bio Fertilizer Plant, Production Plant for Bio- Fertilizer, Phosphate Rich Organic Manure (Prom) Fertiliser Manufacturing Process, Phosphate Rich Organic Manure Manufacture, Phosphate Rich Organic Manure Process Plants, Phosphate Rich Organic Manure Manufacturing Plant, Production of Phosphate Rich Organic Manure, Manufacture of Phosphate Rich Organic Manure, Phosphate Rich Organic Manure Production, Report for Phosphate Rich Organic Manure Production Unit, Bio-Fertiliser Processing, Phosphate Rich Organic Manure Production Process, Bio Fertilizer Manufacturing Process,

Phosphate Rich Organic Manure Production Project, Bio Fertilizer Plant, Production of Phosphate Rich Organic Manure, Large Scale Production of Phosphate Rich Organic Manure, Phosphate Rich Organic Manure Manufacturing, Phosphate Rich Organic Manure Production Line, Phosphate Rich Organic Manure Production Unit, Phosphate Rich Organic Manure Plant Manufacture, Setting up Bio-Fertilizers Unit, Biofertilisers Production Project Ideas, Projects on Small Scale Industries, Small Scale Industries Projects Ideas, Phosphate Rich Organic Manure Production Based Small Scale Industries Projects, Project Profile on Small Scale Industries, How to Start Phosphate Rich Organic Manure Production in India, Biofertilizer Production Projects, New Project Profile on Biofertilisers Production Industries, Project Report on Biofertilizer Production Industry, Detailed Project Report on Phosphate Rich Organic Manure Production, Project Report on Phosphate Rich Organic Manure Production, Pre-Investment Feasibility Study on Biofertilisers Production, Techno-Economic Feasibility Study on Phosphate Rich Organic Manure Production, Feasibility Report on Biofertilizer Production, Free Project Profile on Phosphate Rich Organic Manure Production, Project Profile on Biofertilizer Production, Download Free Project Profile on Biofertilisers Production, Industrial Project Report, Project Consultant, Project Consultancy, NPCS, Niir,

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Take a look at NIIR PROJECT CONSULTANCY SERVICES on

#StreetView

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NIIR PROJECT CONSULTANCY SERVICES

An ISO 9001:2008 Company



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

Who do we serve?

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

Sectors We Cover

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



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

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

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

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

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*
- *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*

Contact us

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