



## Introduction



Bhutan is a unique country both culturally and environmentally. Perched high in the Himalaya, it is the world's last remaining Buddhist Kingdom. It has developed the philosophy of Gross National Happiness; where development is measured using a holistic approach of well-being, not just based on gross domestic product. It is still termed as a third world country with subsistence farming practiced in much of Bhutan. In broad terms, the land is fertile and the population small. In addition, the current generation receives free education, and all citizens have access to free, although rudimentary, medical care. The sale of tobacco products is banned and smoking in public areas is an offense punished with fines. Major sources of income for the kingdom are tourism, hydroelectric power and agriculture.

**Related Projects:** - [Best Business Opportunities in Bhutan](#)

The people of Bhutan can be divided into three broad ethnic categories--Ngalops, Sharecrops, and Lhotsampas. The Ngalops make up the majority of the population, living mostly in the western and central areas. The Ngalops are thought to be of Tibetan origin, arriving in Bhutan during the 8th and 9th centuries A.D. and bringing Buddhism with them. Most Ngalops follow the Drukpas Kagyupa discipline of Mahayana Buddhism. In a country that is deeply rooted within the Buddhist religion, many people's sect of religion, as opposed to their ethnic group, characterizes them. The Ngalops predominate in the government, and the civil service and their cultural norms have been declared by the monarchy to be the standard for all citizens.

**Books:- [BOOKS & DATABASES](#)**

The Sharecrops, who live in the eastern section of Bhutan, are considered to be descendants of the earliest major group to inhabit Bhutan. Most follow the Ningana discipline of Mahayana Buddhism. Sharecrop is translated as "people of the east."

The Ngalops, Sharecrops, and the indigenous tribal people are collectively known as Drukpas and account for about 65% of the population. The national language is Dzongka, but English is the language of instruction in schools and an official working language for the government.

The Lhotsampas are people of Nepali descent, currently making up 35% of the population. They came to Bhutan in the 19th and 20th centuries, mostly settling in the southern foothills to work as farmers. They speak a variety of Nepali dialects and are predominantly Hindu.

**Market Research: - [Market Research Report](#)**

Bhutan is a landlocked country in South Asia situated in the Eastern Himalayas and bordered to the west by India's state of Sikkim, to the east by Arunachal Pradesh, West Bengal and Assam to the south, and to the north by China's Tibet Autonomous Region. The country's capital and largest city is Thimphu, located in the western central part of the country while Phuntsholing is the financial center.



The economy of Bhutan is one of the smallest in the world and is mainly based on agriculture and forestry which are the main source of livelihood for about 60% of the population. The economy is closely linked to that of India since it is dependent on India's financial assistance. Infrastructural development relies on labor from India. However, a landscape that varies from rugged mountains to hills has made infrastructural development very difficult and expensive. The overall growth of the economy of Bhutan has largely been supported by the hydropower export to India. Lack of access to the sea also means the high cost of trading. Here are some of the biggest industries that have contributed to Bhutan's economic growth over the years.

**Projects: - [Project Reports & Profiles](#)**



## Why Set Up Your Business in Bhutan?

Bhutan, officially the Kingdom of Bhutan is a sovereign nation located in South Asia. A landlocked country in between India and China, enjoyed strong cultural link with Tibet and India subcontinent. A country which is known for its richness of traditions and biodiversity.

So, why set up your business in Bhutan? Setting up business in Bhutan will be a great choice because of the various advantages and opportunities offered for new businesses to grow here. With its strategic geographic location, expansions opportunities, richness in human resource and biodiversity, Bhutan is emerging as a good location for setting up business. You will be able to set up your business while enjoying the traditions and the beauty of nature at the same time.

With the richness of the biodiversity, expansion opportunities, human resource, environment stability, Bhutan provides great opportunities and support for business. If you are looking for a country to set up business in South Asia, Bhutan will be a great choice.

**Related Video: - [Bhutan, South Asia - Best Business Opportunities](#)**

## Imports and Exports

India is Bhutan's major trading partner both in terms of exports and imports. The list of top imports of the country includes oils and preparations (diesel), ferrous products, motor spirit, coke and semi-coke, husked (brown) rice etc. In the export basket, commodities such as electricity, ferro-silicon, semi-finished products of iron, Portland pozzolana cement, gypsum, silicon carbides, cardamoms, potatoes etc top the list.



# Map of Bhutan :-



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## Economy

Bhutan's small economy is based largely on hydropower, agriculture, and forestry, which provide the main livelihood for more than half the population. Because rugged mountains dominate the terrain and make the building of roads and other infrastructure difficult and expensive, industrial production is primarily of the cottage industry type. The economy is closely aligned with India's through strong trade and monetary links and is dependent on India for financial assistance and migrant laborers for development projects, especially for road construction. Bhutan signed a pact in December 2014 to expand duty-free trade with Bangladesh.

**Related videos:** - [Business Opportunities at South India, Southern India States Startup Ideas, Profitable Business Ideas](#)



Multilateral development organizations administer most educational, social, and environment programs, and take into account the government's desire to protect the country's environment and cultural traditions. For example, the government is cautious in its expansion of the tourist sector, restricting visits to environmentally conscientious tourists. Complicated controls and uncertain policies in areas such as industrial licensing, trade, labor, and finance continue to hamper foreign investment.

Bhutan's largest export - hydropower to India - could spur sustainable growth in the coming years if Bhutan resolves chronic delays in construction. Bhutan's hydropower exports comprise 40% of total exports and 25% of the government's total revenue. Bhutan currently taps only 6.5% of its 24,000-megawatt hydropower potential and is behind schedule in building 12 new hydropower dams with a combined capacity of 10,000 megawatts by 2020 in accordance with a deal signed in 2008 with India. The high volume of imported materials to build hydropower plants has expanded Bhutan's trade and current account deficits. Bhutan also signed a memorandum of understanding with Bangladesh and India in July 2017 to jointly construct a new hydropower plant for exporting electricity to [Bangladesh](#).

## Infrastructure

Bhutan's rapid socioeconomic development and urbanization has put pressure on the country's physical infrastructure, requiring expansion and upgrading of the transport network and the construction of numerous industrial facilities as well as residential and non-residential buildings.

Given the lack of both technical capacity as well as skilled labour in domestic construction companies, numerous opportunities open up for foreign investors in the design, construction and operation of large-scale infrastructure and general building projects. Significant demand exists for projects in the areas of airport infrastructure, highways, bridges, viaducts, elevated highways, tunnels, ropeways/cable cars, logistics facilities such as dry ports, land reclamation, geotechnical and hydraulic engineering, sewerage infrastructure, water management, residential buildings, and recreational facilities. Bhutan's rugged topography, widespread surface erosion, and extreme weather conditions pose significant construction challenges and open opportunities for specialized international contractors.

In 2010, the Government formalized a framework for the implementation of infrastructure projects through PPP models. The framework provides for a transparent and competitive procurement process following internationally accepted practice. In addition, the framework allows the Government to choose PPP investors as strategic partners without selection process for ventures with up to 26 per cent foreign ownership. It also prescribes that government-owned companies such as DHI, the sovereign development and holding company, have to follow fair and transparent bidding procedures similar to the provisions set out in the framework. The framework provides flexibility with regards to the contractual design and partnership model (including but not limited to build-operate-transfer, build-own-operate-transfer, and build-operate-lease-transfer). The Government is also working on development of a specific PPP policy.

**Industries:**

This entry provides a rank ordering of industries starting with the largest by value of annual output.

Industries field listing

Cement, [wood](#) products, processed fruits, [alcoholic](#) beverages, calcium carbide, tourism



<b>District</b>	<b>City</b>	<b>Town</b>	<b>Town</b>
Bumthang	Thimphu	Kangpar	Nimgong
Chhukha	Punākha	Kechungka	Ningsang La
Chirang	Tsirang	Kencho	Oola(formerlyAlla)
Daga	Phuntsholing	Kengkhar	Pachu
Gasa	Pemagatshel	Khar	Pajo
Geylegphug	Sarpang	Khitokha	Paro
Lhuntshi	Wangdue Phodrang	Kisona	Paro Airport

Mongar	Samdrup Jongkhar	Kungtar	Paten
Paro	Samtse	Lamedada	Phisugaon
Pemagatsel	Jakar	Lamti, Lao	Phuntsholing
Punakha	Pajo	Lhedang	Pieksao
Samchi	Trashi Yangtse	Lhuntse	Pimi
Samdrup Jongkhar	Mongar	Lobnig	Pinsoperi
Shemgang	Tsimasham	Louri	Punakha
Tashigang	Trongsa	Lung Chen	Rading
Tashi Yangtse	Daga	Manikyangsa	Raga
Thimphu	Paro	Maogaon	Rapley

Tongsa	Daphu	Mochhu	Rife
Wangdi Phodrang	Panbang	Momai Thang	Ritang
	Trashigang	Mongar	Rungzyung
	Shemgang	Monka	Saidu
		Nab Chöte	Sakteng
		Naitola	Samdrup Choling
		Naktsang	Samtengang
		Namtir	Sana
		Naspe	Samtse
		Ngalangkang	Sangkari
		Niche Kalikhola	

## Below is the List of Business Ideas in Bhutan, These Sectors Has a Huge Business Opportunity:

### Aloe Vera Cultivation & Processing

Aloe vera, also known as “Kuwarpatha” in the local language, has great demand in the international market because of its medical and its cosmetic uses. Aloe Vera has plenty of its medical uses in the treatment of many diseases and many cosmetic treatments like the pimple problem, healing skin, skin shining, and much more. Because of such huge application, there is a great demand of aloe vera in the Ayurvedic industry and is increasing day to day continuously. It is easy and very simple to grow the aloe vera planting for commercial scale.

**Related Projects:** - [Herbs and Herbal Based Products](#)



**Aloe vera has lots of medicinal use along with cosmetic uses which include the following**

1. Aloe vera makes our body germs free by cleaning of the body, veins, etc.
2. Aloe vera works better for curing of skin care and also hair loss.
3. Aloe vera also increase the power of disease resistance by the secretion of the unhealthy blood from our body.
4. Aloe vera raise the skin flexibility to make the skin beautiful so the skin looks shiny.
5. Drinking aloe vera juice leads to skin malfunction, acne, rusty skin, wrinkle on skin, facial scars, and also to keep away the dark circles around the eyes.
6. Aloe vera juice cleans the blood and full filled the deficiency of hemoglobin since use of it increase the production of blood cells in the body.

**Related Books:** - [Herbs Cultivation, Medicinal, Aromatic Plants Cultivation, Growing, Plantation](#)

7. Aloe vera is helpful to eliminate the heart-related problem along with joints pain, urine problem, and the removal of toxic substance from the body.
8. Regular use of aloe vera makes you healthy till long life.
9. Aloe vera also helpful in reducing the overweight of body by its regular use.
10. Use of aloe vera is also good for the teeth and gum health as they clean and keep them sterile.
11. Filling the juice of aloe vera in the mouth can stop the blisters problem and blood secretion.
12. Aloe vera is also used as face wash and mouth freshener.
13. Mixing a little amount of turmeric in the liver of aloe vera gives you rest when you are suffering from the headache problem.
14. Drinking aloe vera juice every day makes you free from the constipation problem.
15. Drinking aloe vera juice with the mixture of oven juice is beneficial in diabetes.

16. Drinking aloe vera juice is also beneficial for the jaundice problem.

Aloe is among the few medicinal plants having both medicinal and cosmetic uses and thus, has an extensive market across the globe. The major markets for aloe and its extracts are Australia, USA and the entire Europe. Indian aloe vera market stood at \$ 23.72 million in 2017 and is projected to grow at a CAGR of over 10.02%, in value terms, during 2018-2023, to reach \$ 38.68 million by 2023. Rising number of health-conscious consumers, rapidly growing middle class with increasing disposable income, elevating hygiene standards and expanding working population due to which the consumers are compelled to make a steady shift to natural products, are aiding Indian aloe Vera juice market. Moreover, increasing disposable income along with changing lifestyle and awareness regarding the consumption of a balanced and healthy diet to reduce life style diseases are some of the other factors expected to propel demand for aloe Vera juice over the next five years.

**Related Projects:** - [Best Business Opportunities in Bhutan](#)

## **Black Garlic Processing & Packaging**

Black [garlic](#) is a type of aged garlic that is deeply colored brown. The color is a result of the Maillard reaction or caramelization, not fermentation. It was first used as a food ingredient in Asian cuisine. It is made by heating whole bulbs of garlic over the course of several weeks, a process that results in black cloves. The taste is sweet and syrupy with hints of balsamic vinegar or tamarind. Black garlic is simply an aged version of our favourite super food, which may contain even more of the good stuff regular garlic does. Global Black Garlic Fermentation Machine Market is anticipated to rise at a considerable rate during the forecast period, between 2020 and 2026.

**Related Projects:** - [Garlic and Garlic based Products](#)





## **Benefits of Black Garlic**

- Cancer and Cholesterol Reduction
- Infection Obstruction
- Anti-inflammatory effects
- Repair of age-damaged skin
- Cardioprotective effects
- Lowered cholesterol levels
- Prevention of diabetic complications
- Boost to the immune system
- Lowered the risk of cancer
- Therapeutic management of liver injury
- Increased levels of antioxidants

## Coffee Plantation, Processing & Packaging

Coffee is a brewed drink which is prepared from roasted and grinded coffee beans with or without the addition of water, milk, sugar and other ingredients. Coffee beans or seeds are obtained from coffee berries, which grow in coffee plants. Coffee is a popular beverage which is enjoyed around the world both as hot and cold drink, consumed for its stimulating and refreshing quality. Coffee is known as a brewed drink which is hot water extraction process carried out for plant materials. For coffee processing, ripe and red coffee berries are harvested and beans are extracted by separating the pulpy berry part. The greenish-grey seeds or beans of the berries are further cleaned to remove the thin film adhering to the seeds, to get the final seeds. The seeds are sun dried to remove moisture followed by roasting and grinding. Roasted coffee beans develops characteristic coffee flavor due to a series of changes in physical and chemical properties of coffee beans during roasting process. The roasted, grinded and brewed coffee extract is known popularly to be consumed with milk, sugar and other additives in both cold and hot conditions. Characteristic coffee flavor is due to development of a number of aromatic compounds which are formed during the roasting process.

## Processing Coffee

Once the cherries have been picked, processing must begin quickly to minimize spoilage. Depending on the resources and location of the grower, coffee is generally processed in one of two ways: the dry method or the wet method.

**The Dry Method** is the oldest and most widely used method of processing coffee. Quite simply, the freshly picked cherries are spread out on large raised screens and dried with the heat of the sun. After drying, the cherries are put through a hulling machine to remove the dried pulp and outer skin layers.

**The Wet Method** removes the pulp from the coffee cherries, separating the coffee seeds from the outer flesh layer. This is done either by hand, with small machines or by shared centralized de-pulping stations. The beans are then sorted, and transferred to large water-filled tanks for fermentation. They ferment for 12-48 hours, are rinsed, and then are sent off for drying. After drying, they are ready to be roasted.

Related Projects: - [Food Processing and Agriculture Based Projects](#)

The global coffee market is projected to grow at a CAGR of 4.22% during the forecast period (2020-2025). The market is driven by multiple factors, few being increasing demand for certified coffee products, acceptance of single-serve coffee brew systems by the consumers and constant innovation lead by top players in the coffee market. In developed economies, some consumers are expected to switch from instant coffee to more premium options for reasons of quality and flavor. Instant coffee was once considered a high-end product, but began to lose its base of younger consumers, which is changing the market dynamics.

**Related Books:** - [Food Processing](#), [Food Industry](#), [Agriculture](#), [Agro Processing](#)





## Disposable Plastic Syringes with needles

Clear plastic, graduated syringes with sizes from 1ml to 60ml. Body and plunger are made from polypropylene, seal on plunger is made from polyisoprene (rubber) except for #115-51 which has an all plastic plunger. Sterile. Disposable Syringes made of plastic material have been successfully used in medical and pharmaceutical practice for many years. The constantly increasing use of this type Syringe indicates its importance which is based mainly on the advantages it offers regarding cost and hygienic applications. The global disposable syringes market is estimated to account for US\$ 11,413.7 MN in terms of value by the end of 2027.

### **Related Videos: - Disposable Product**

Made of plastic material, disposable syringes are used in the field of medical and veterinary science. Disposable syringes are rapidly replacing glass syringes due to their availability in sterilized condition, ready-to-use form, and cost effectiveness. Disposable syringes are primarily injection molded from polypropylene.

These syringes are available in sizes of 1 ml, 2 ml, 5 ml, 10 ml, and 50 ml in various designs. Disposable syringes consist of either two or three components used for total assembly of device. Disposable syringes are primarily bifurcated into conventional and safety syringes. Safety syringes do not cause any injury to the recipient. These syringes do not expose the provider to any avoidable risks. Furthermore, these syringes do not result in waste that is dangerous for the community. A safety mechanism is built into a safety syringe. The needle of the safety syringe can be detached or attached permanently.

**Related Projects:** - [Surgical, Medical Plastics, Medical Disposables, Disposable Medical Products used in Hospitals](#)



## [Start a Disposable Syringes Manufacturing Business](#)

Disposable Syringes are made of plastic material and are used in the field of medical and veterinary science. Due to their availability in sterilized condition, ready to use, and cost effectiveness, disposable syringes are fast replacing the age-old glass syringes. Moreover, the horror of AIDS worldwide has almost dispensed with the reuse of syringes and the demand of disposable syringe has increased phenomenally. Disposable syringes are mostly injection moulded from polypropylene. Syringes are available in sizes of 1 ml, 2ml, 5 ml, and 10 ml, in a variety of designs and consist of either two or three components construction. The number and size of injection molding machines required depend upon syringe construction, number of mould cavities, annual production.

**Related Books:** - [Disposable Products \(Medical, Surgical, Thermocol, Plastic, Paper, Domestic And General Products\)](#)



## Dry Fruit Processing

Dried fruit is fruit from which the majority of the original water content has been removed either naturally, through sun drying, or through the use of specialized dryers or dehydrators. Dried fruit has a long tradition of use dating back to the fourth millennium BC in Mesopotamia, and is prized because of its sweet taste, nutritive value, and long shelf life. Today, dried fruit consumption is widespread. Nearly half of the dried fruits sold are raisins, followed by dates, prunes, figs, apricots, peaches, apples, and pears.

**Related Projects:** - [Food Processing and Agriculture Based Projects](#)

### **Various Benefits of Dry Fruits**

Most dry fruits are rich in minerals, proteins, fibre and vitamins add to that they are tasty and delicious too. Dry fruits are excellent and healthy substitute for daily snacks. Consumption of dry fruits enhances energy and stamina; also as they are rich in fibre which means better digestion and overall health. Nuts are great source of protein and iron especially if you are a vegetarian.

**Related Videos:** - [Food Processing](#)

Dry Fruits are also rich source of Calcium, Copper, Iron, Magnesium, Potassium, Phosphorus, Protein, Riboflavin, Vitamin A-C-E-K-B6 and Zinc. This means healthy bones, muscles, nerves, teeth and skin. This also means protection from anaemia, heart diseases, high cholesterol, strengthening of immune system and much more. Dry fruits are a segment of processed food which has wide consumption across the world. As per International Nut and Dried Fruit Council (INC), in Reus, dry fruits are an important source of nutrients which has raised the demand of dried fruits and nuts globally. Moreover, acquisition is the key strategy adopted by many companies to increase the production and packaging of dried fruit and nuts to fulfill the global demand and increase market competition. For instance, in 2017, Whitworths a UK based fruit and seed snack brand is acquired by a Turkish wholesale group Anatolia to enhance their production and packaging of dried fruit, nut and seed. High obesity rate and rising acceptance towards dry fruits and including it into healthy diets is propelling the dry fruits market around the world. In 2015, nearly 2.7 million metric tons of dry fruits were produced globally. The global dry fruits market is estimated to grow at a CAGR of 5.5% over the forecast period i.e. 2017-2030.

**Related Books:** - [Food Processing, Food Industry, Agriculture, Agro Processing](#)



## E-waste Recycling Plant

Despite its tiny population, Bhutan's economic growth has led to increasing urbanization and problems associated with biodegradable waste, which threatens the beauty of one of the most pristine environments in the world. Disposable diapers are becoming a growing concern across the country. More people have started to use them and they do not degrade well even in landfills, stated the NEC report. Another issue of concern is that municipal solid waste also contains hazardous and electronic waste. Some examples of hazardous household waste are batteries, household cleaning products, cosmetics, automobile maintenance products and electronics such as phone, television sets, bulbs, and tube-lights. With development and modernization, there is growing trend of people discarding electronics. Phones, laptops and TVs are being exchanged for newer models, growing the amount of e-waste. Recycling of e-waste can be a profitable business (called remanufacturing): precious metals such as gold and silver as well as copper, zinc, iron, nickel, lead and other valuable materials are extracted from the e-waste.

**Related Projects:** - [E-waste Recycling \(Electronic Waste, E-waste, E-scrap, Waste Electrical and](#)

[Electronic Equipment \(weee\)](#)

Whether such a business can be profitable in Bhutan requires. In any case, there should be some local solution, otherwise we will all be suffering the consequences of a toxic environment in the near future.

**Related books:** - [Waste Management, Waste Disposal And Recycling Industry](#)

The Global Electronic Waste Recycling Market is expected to expand at 13.03% CAGR to reach a market value of 39,498.81 Million in 2024. Furthermore, the e-waste management market is fueled by increase in cloud bases services and rise in number of internet service users, regulatory policies, and online financial transactions. Therefore, there will not be any excitement about the adoption of novel technologies amongst the consumers. In addition, rise in the use of pirated products and low awareness about the advantages of internet security product and services, ultimately lower the growth rate of the internet security market. Further, the market is anticipated to witness a decline if the adoption rate of cloud computing services and number of online financial transactions would decrease. In addition, the downtrend in the number of internet users is expected to negatively influence the e-waste management market.

**Related Videos:** - [Waste Management and Recycling](#)

## Grape Plantation & Wine Processing

Grape is grown under a variety of soil and climatic conditions in three distinct agro-climatic zones, namely, sub-tropical, hot tropical and mild tropical climatic regions in India. Wine is an alcoholic beverage produced through the partial or total fermentation of grapes. Other fruits and plants, such as berries, apples, cherries, dandelions, elder-berries, palm, and rice can also be fermented. Grapes belong to the botanical family vitaceae, of which there are many species. The species that are most widely used in wine production are *Vitis labrusca* and, especially, *Vitis vinifera*, which has long been the most widely used wine grape throughout the world.

**Related Projects:** - [Beer and Wine Projects](#)

The market is valued at USD 287.39 billion in 2016 and is expected to reach USD 402 billion by 2023, at a 5.8% CAGR during the forecast period 2018 - 2023. The wine market is huge, largely dominated by the European and North American countries.

The USA, France, Italy, and Spain are the largest producers and consumers of wine. In the international trade, the European region has more than 50% share of the global wine trade. Currently, there are about one million small and big wine makers globally and the world's most famous brands (around 84%) are French. The wine consumption is declining in the traditional markets. It is growing rapidly (x4 since 2000) in the Asian markets. Asia-Pacific accounts for 16% of value of global wine imports.

**Related Books: - [Alcohol and Alcohol Based Industries](#)**



## Herbal Extracts, Oil, Soap, Cosmetics

Herbal extracts are substances extracted from the plant using different solvents—some combination of water, alcohol, chemicals, or other liquid that works to draw out beneficial plant components. Although herbal extracts come in many forms, they have one common feature. Extracts represent naturally occurring phytochemicals (plant produced compounds) that have been removed from the inert structural material of the plant that produced them. The main advantage of using extracts over raw herb is that once extracted from the plant matrix, the phytochemicals bypass the need for digestion and are far more readily absorbable.

**Related Projects:** - [Herbs and Herbal Based Products](#)

Most of us use soap to clean our body. However, many of us are unaware of the harmful side effects of these chemical soaps. It has been proven that the daily usage of these soaps drains out the natural oil present in the skin and makes the skin look dry and exhausted.

**Related Videos:** - [Herbs and Herbal Based Products](#)

Thus, it makes the skin host to several skin irritations like acne, rashes and various allergies. Also, it blocks the pores of the skin and thus delays the cell regeneration process. Ultimately, this will lead to premature aging of skin at a young age. Here comes the importance of an herbal soap. They are made from the extract of herbal plants and essential oils, which makes them safe to use for people of any age. It gently cleanses your skin without causing any harm to the skin's oil balance. Also, the natural ingredients promote healing and soothing effect to various skin infections besides imparting a natural beauty to the skin.

**Related Books:** - [Herbs Cultivation, Medicinal, Aromatic Plants Cultivation, Growing, Plantation](#)

Herbal Cosmetics, referred as Products, are formulated, using various permissible cosmetic ingredients to form the base in which one or more herbal ingredients are used to provide defined cosmetic benefits only, shall be called as “Herbal Cosmetics”. Herbs do not produce instant cures. They offer a way to put the body in proper tune with nature.



## [Integrated Corn, Rice, Wheat Flakes](#)

Together, maize, rice and wheat are the single most important item in the human diet, accounting for an estimated 42.5 percent of the world's food calorie supply. Globally, their contribution to our supply of protein - around 37 percent - is a close second to that of fish and livestock products. Wheat alone supplies more protein than the sum of poultry, pig and bovine meat. Maize, rice and wheat even supply 6 percent of the fat in our diets.

### **Related Projects:** - [Food Processing and Agriculture Based Projects](#)

The global Edible Flakes market is expected to grow from USD 15.72 billion in 2019 to USD 29.32 billion by 2027, at a CARG of 8.1% during the forecast period 2020-2027. Edible Flakes are mostly used in packaged food sector, on account of balanced nutritive and diet value of the food and ease of food preparation. Impact of western culture on the food patterns and changing dietary habits and eating patterns is predicted to fuel up the global market of edible flakes. Rising awareness for nutrition's and balanced diet leads to enlarging the global market of edible flakes.

### **Related Books:** - [Food Processing, Food Industry, Agriculture, Agro Processing](#)

## Lemon Plantation & Processing

Lemon, (*Citrus ×lemon*), small tree or spreading bush of the rue family (Rutaceae) and its edible fruit. Lemon juice is a characteristic ingredient in many pastries and desserts, such as tarts and the traditional American lemon meringue pie. The distinctive astringent flavour of the fruit, either fresh or preserved, is also used to enhance many poultry, fish, and vegetable dishes worldwide. Lemonade, made with lemon, sugar, and water, is a popular warm-weather beverage, and the juice itself is commonly added to tea. Citric acid may amount to 5 percent or more by weight of the lemon's juice, which is also rich in vitamin C and contains smaller amounts of the B vitamins, particularly thiamin, riboflavin, and niacin. There is a growing demand for citrus flavors such as lemon extract, owing to the rising number of foods processing industries and shifting consumer preference towards citrus flavors and citrus-based products. This is primarily attributed to the launch of new products with citrus flavors, such as lemon extract, essential oils, and others. Lemon Extract Market is estimated to grow at a CAGR of 4.9% from 2019 to 2026.

**Related Projects:** - [Citrus Fruits Processing and Value Added Products](#)

## [Natural Glycerin Manufacturing Project](#)

Glycerol (also called glycerine or glycerin) is a simple polyols compound. It is a colorless, odorless, viscous liquid that is sweet-tasting and non-toxic. The glycerol backbone is found in those lipids known as glycerides. Due to having antimicrobial and antiviral properties it is widely used in FDA approved wound and burn treatments. It can also be used as an effective marker to measure liver disease. It is also widely used as a sweetener in the food industry and as a humectant in pharmaceutical formulations. Owing to the presence of three hydroxyl groups, glycerol is miscible with water and is hygroscopic in nature.

### **Related Projects:** - [Chemicals \(Organic, Inorganic, Industrial\) Projects](#)

The global glycerin market was valued at around US\$ 2,998.4 MN in 2018 and is estimated to grow with a 5.1% CAGR over 2018–2028. Healthy growth of industries such as personal care, food & beverage and pharmaceutical, among others in China is the key driving factor for the growth of the glycerin market. Vegetable glycerin is extracted from various sources such as coconut oil, soy, and palm oil. **Related Books:** - [Chemical Technology \(Organic, Inorganic, Industrial\), Fine Chemicals](#)

Vegetable glycerin is extracted by heating of triglyceride-rich vegetable oil and it is colorless and odorless but sweet in taste. Vegetable glycerin market is growing at a robust growth rate in the food and beverage industry and also in personal care and cosmetic industry. In the global food and beverage industry, vegetable glycerin is used as a food additive to mix water and oil-based ingredients. It is also used in moistening and sweetening the final products.

In the cosmetic industry, vegetable glycerin is used as a humectant as it gets easily absorbed in the skin. In addition, vegetable glycerin helps to heal minuscule cracks on the skin and help in retaining moisture into the skin. Vegetable glycerin is used in the manufacturing of moisturizers, lotions, creams, soaps and various other products. A plethora of cosmetic products are launched every year, which significantly propel the growth of vegetable glycerin market. In the pharmaceutical industry, vegetable glycerin is used to make ointments, creams, and other lubricants. Rising dermal issues among population bolstering the demand for vegetable glycerin, paving the way for the robust growth of the vegetable glycerin market in the coming future.

**Related Videos: - [Chemicals \(Organic, Inorganic, Industrial\)](#)**

## Neem Plantation & Processing

Azadirachtin in the neem products have been found to act as repellents, antifeedants, affect food consumption and utilization and interfere with the growth regulation and ovarian development in insects. Neem manufacturing products are in high demand and several manufacturing companies are readily in business trying to satisfy their natural product consuming and environment sensitive market. The neem is a tropical evergreen tree native to Indian sub-continent. It has been used in Ayurvedic medicine for more than 4000 years due to its medicinal properties.

**Related Books:** - [Herbal Products, Aromatic Plant Cultivation](#)

Most of the plant parts such as fruits, seeds, leaves, bark and roots contain compounds with proven antiseptic, antiviral, antipyretic, anti-inflammatory, antiulcer and antifungal uses. It has great potential in the fields of pest management, environment protection and medicine. Neem is a natural source of [eco-friendly](#) insecticides, pesticides and agrochemicals. Neem is considered to be a part of India's genetic diversity. The global neem extract market generated revenue worth \$653.7 million in 2015 and is expected to register a CAGR 16.3% during the forecast period (2016–2022). The market is mainly driven by the growing demand for herbal personal care products and increasing usage of neem products in livestock and pet care. **Related Projects:** - [Herbs and Herbal Based Products](#)

## [Nuts and Bolts \(MS Fasteners\)](#)

A bolt is a form of threaded fastener with an external male thread requiring a matching pre-formed female thread such as a nut. Bolts are very closely related to screws. A nut is a type of fastener with a threaded hole. Nuts are almost always used in conjunction with a mating bolt to fasten multiple parts together. The two partners are kept together by a combination of their threads' friction (with slight elastic deformation), a slight stretching of the bolt, and compression of the parts to be held together.

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**Related Projects: - [Engineering Goods Projects](#)**



The growth of the global wheel bolt and wheel nut market is driven by growing industries such as automotive, aerospace, and manufacturing. Moreover, increasing demand for wheel bolt and wheel nut in manufacturing industries and aerospace fueling the global wheel bolt and wheel nut market. Increasing investment in the automotive industry is trending the global wheel bolt and wheel nut market over the forecast period. However, rapidly increasing prices of stainless steel is expected to restrain the wheel bolt and wheel nut market across the globe. The company operates in the wheel bolt and wheel nut market can increase its share in the global wheel bolt and wheel nut market by increasing their investment in Asia-Pacific region, attributed to growing automotive industry across the region and relatively less cost required for production of wheel bolt and wheel nut. The global market is expected to reach a value of INR 7,706 billion by 2023, expanding at a CAGR of ~6.5% from 2018.

**Related Projects: - [Industrial & Engineering Products](#)**

## Pectin from Citrus, Lemon and Orange

Citrus pectin is a naturally occurring polysaccharide found in citrus fruits such as oranges, lime, and lemons among others. Citrus pectin can be used as a thickening agent when heated with sugar. These characteristics of citrus pectin are used for manufacturing jams and jellies among others. Moreover, citrus pectin has applications in industries such as food and beverages, pharmaceuticals, and personal care & cosmetics. On the basis of product type, citrus pectin market is segmented into high methoxyl pectin, and low methoxyl pectin.

Fruits naturally possessing relatively large amount of pectin include lemons, bitter oranges, apples, quinces, currants and plums. The main use for pectin (vegetable agglutinate) is as a gelling agent, thickening agent and stabilizer in food.

**Related Books:-** [Handbook on Citrus Fruits Cultivation and Oil Extraction](#)

The classical application is giving the jelly-like consistency to jams or marmalades, which would otherwise be sweet juices. Pharmaceutical applications of citrus pectin are expected to fuel the market growth over the forecast period due to the increasing shifting towards natural and plant-based products for treating various diseases. Citrus pectin finds numerous pharmaceutical applications due to its use as binder, suspension agent, stabilizer, binding agent, and film forming agent.

**Related Projects: - [Citrus Fruits Processing and Value Added Products](#)**

Growing use of citrus pectin in food & beverage, especially in production of jam & jellies, bakery fillings and toppings, confectioneries, and dietary supplements has been working to the advantage of market players. As the competition in the market intensifies, these players are leveraging white spaces in the application of citrus pectin – as a gelling, thickening, and stabilizing agent in cosmetics to fat replacer in meat & poultry products. Moreover, demand for citrus pectin will gain a boost from the trend of ‘green beauty’ putting greater emphasis on personal care & cosmetics with natural ingredients. Citrus Pectin Market Expected to Register a CAGR of More Than 4% during the Forecast Period 2019-2029.

## Phosphate Organic Rich Manure (PROM)

Phosphate rich organic manure is a type of fertilizer used as an alternative to diammonium phosphate and single super phosphate. Phosphate Rich Organic Manure is produced by co-composting high-grade (32% P<sub>2</sub>O<sub>5</sub> +/- 2%) rock phosphate in very fine size (say 80% finer than 54 microns). Needless to say, the finer the rock phosphate the better is the agronomic efficiency of PROM. Other benefits of PROM are that it supplies phosphorus to the second crop planted in a treated area as efficiently as the first, and that it can be produced using acidic waste solids recovered from the discharge of biogas plants.

### **Related Project: - Biofertilizer and Phosphate Rich Organic Manure (PROM)**

The Biofertilizer 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. The changing perception of farmers and end users towards environment friendly farming methods is driving the demand for organic fertilizers worldwide. The various advantages offered at cheaper prices are escalating the consumption of organic fertilizers over chemical fertilizers globally.

In addition to this, constructive government policies pertaining to subsidized prices, wastage reduction, limitations on usage of non-biodegradable raw materials are further influencing the global organic fertilizers market.

**Related Project: - [Fertilizers, Fertilisers, Inorganic Fertilizers \(Mineral Fertilizer\)](#)**

**The specific advantages of PROM are:**

- 1) The process of production of PROM is highly cost- effective as it is a low energy process that does not demand high temperature or high pressure (operates at ordinary temperature and pressure), needs no chemical catalyst and does not consume any valuable chemicals;
- 2) The raw rock phosphate ore, since is biochemically converted to soluble phosphates, can be fed directly to plants;
- 3) PROM is (if not, more) effective in agriculture as compared to synthetic fertilizers such as single superphosphate (SSP), di ammonium phosphate (DAP) or monoammonium phosphate (MAP) as evident from successful field studies performed

**Related Books: - [Biofertilizer, Biofertiliser, Biogas, Organic Farming](#)**

## Plantation of Medicinal Plants, Distillation of Essential Oils and Extracts

Medicinal plants are the richest bio resource of drugs for traditional systems of medicine, modern medicines, nutraceuticals, food supplements, folk medicines, pharmaceutical intermediates and chemical entities for synthetic drugs. Aromatic plants are a source of fragrances, flavors, cosmeceuticals, health beverages and chemical terpene. Medicinal and aromatic plants (MAPs) are traded as such in bulk from many developing countries for further value addition in developed countries. The first step in the value addition of MAP bio resources is the production of herbal drug preparations (i.e. extracts), using a variety of methods from simple traditional technologies to advanced extraction techniques.

The most important of Bhutan are food, fodder, rattan, bamboo, medicinal plants, natural dyes, exudates, lemon grass, handmade paper, fibres and flosses, brooms, handicraft items, ornamentals and incense sticks.

**Related Projects:** - [Essential Oils, Phytochemicals, Aromatic Chemicals](#)



Essential oils are used in a wide variety of consumer goods such as detergents, soaps, toilet products, cosmetics, pharmaceuticals, perfumes, confectionery food products, soft drinks, distilled alcoholic beverages (hard drinks) and insecticides. The world production and consumption of essential oils and perfumes are increasing very fast. Production technology is an essential element to improve the overall yield and quality of essential oil.

**Related Projects:** - [Highly Demandable Medicinal Plants Projects](#)

The traditional technologies pertaining to essential oil processing are of great significance and are still being used in many parts of the globe. Water distillation, water and steam distillation, steam distillation, cohobation, maceration and enfleurage are the most traditional and commonly used methods. Maceration is adaptable when oil yield from distillation is poor. Distillation methods are good for powdered almonds, rose petals and rose blossoms, whereas solvent extraction is suitable for expensive, delicate and thermally unstable materials like jasmine, tuberose, and hyacinth. Water distillation is the most favored method of production of citronella oil from plant material.

**Related Books:** - [Essential Oils Extraction and Processing](#)

## Ply Board from Bamboo

Bamboo flooring and bamboo board are the newest and most revolutionary products in woodworking industry. Bamboo sticks are made from the bamboo pole, then hydraulically laminated under high heat and pressure; the resulting boards are then sanded, moulded and finished similar to wood flooring finished product is protected against fungus and insects.

Ply Board is wooden made board or wooden like raw materials largely used for making ply board. There is large use of ply board nowadays in making wooden base furniture. Bamboo can be used for making ply board. There is large amount of bamboo available in our country. Bamboo on special processing can be converted into ply board. Matured bamboos are used for making ply board.

**Related Books:-** [Bamboo and Bamboo Products, Value-Added Bamboo Products](#)



There is very good rising demand of ply board. Plywood for indoor use generally uses the less expensive urea-formaldehyde glue, which has limited water resistance, while outdoor and marine-grade plywood are designed to withstand moisture, and use a water-resistant phenol-formaldehyde glue to prevent delamination and to retain strength in high humidity.

**Related Projects:- [Bamboo and Bamboo Products, Value-Added Bamboo Products](#)**

The total market size of all different types of boards and plywood put together is estimated at Rs. 5,000 crore currently out of which plywood industry is Rs. 4,000 crore and that of the other boards.

**Related Projects: - [Wood and Wood Products, Plywood, Board, Particle Board, Wooden Furniture](#)**



## Pomegranate, Papaya & Dragon Fruit Farming & Processing

The pomegranate (*Punica granatum*) is a fruit-bearing deciduous shrub in the family Lythraceae, subfamily Punicoideae that grows between 5 and 10 m (16 and 33 ft) tall. Pitaya fruit, pitahaya fruit or commonly known as Dragon Fruit is among the most nutritious and wonderful exotic fruits. It is a favorite to many, particularly people of Asian origin.

**Related Projects:** - [Plantation, Farming, Cultivation, Agro Based and Livestock Projects.](#)

The papaya (*Carica papaya*) is one of the important delicious fruit crop grown in the tropical and subtropical parts of the world. It is originated in Mexico and spread to almost all the corners of the tropical world. The papaya is highly productive and interesting crop. It is easy to grow as short duration crop. As a raw fruit, it is used in cooking and some preparations. Its latex is used as a papain in food and medicine industry. Ripe fruit is very delicious containing vitamin A and Carbohydrates.

## Ready Made Garments Manufacturing Unit (Jeans, Trousers & Shirts)

Ready-made garments are mass-produced finished textile products of the clothing industry. They are not custom tailored according to measurements, but rather generalized according to anthropometric studies. They are made from many different fabrics and yarns their characteristics depend on the fibers used in their manufacture. Ready-made garments are divided into the following types: outer clothing, which includes Workwear and uniforms, leisure wear, and sportswear (e.g., suits, pants, dresses, ladies' suits, blouses, blazers, jackets, cardigans, sweaters, coats, sports jackets, skirts, shirts, ties, jeans, shorts, T-shirts, polo shirts, sports shirts, tracksuits, bathing shorts, bathing suits, and bikinis); and undergarments, which include jersey goods and lingerie (e.g. underpants, undershirts, briefs, socks, stockings, and pantyhose).

**Related Projects:** - [Textile, Apparel, Clothing, Denim wear, Innerwear, Lingerie, Hosiery, Denim Jeans, Readymade Garments and Under Garments Industry.](#)

The global readymade garments market size was valued at \$983.7 billion in 2019, and is projected to reach \$1,268.3 billion by 2027, registering a CAGR of 8.8% from 2021 to 2027. The outer clothing segment was the highest contributor to the market in 2019, and is estimated to grow at a CAGR of 8.8% during the forecast period. China and the U.S. were the prominent countries in the readymade garments market in 2019. The growth of the readymade garments market driven by increase in fashion trend and its influence over consumers. This race to cope up with the changing fashion trend is anticipated to significantly influence consumers to purchase latest designs, especially worn by celebrities. Furthermore, rise in demand for nightwear and athletic wear has encouraged companies to launch new products to cater to increasing needs of customers.

**Related Books:** - [Textile, Apparel, Clothing, Denim wear, Innerwear, Lingerie, Hosiery, Denim Jeans, Readymade Garments](#)



## Rose Plantation and Rose Oil Extraction

Rose oil (rose otto, attar of rose, attar of roses or rose essence) is the essential oil extracted from the petals of various types of rose. Rose ottos are extracted through steam distillation, while rose absolutes are obtained through solvent extraction, the absolute being used more commonly in perfumery. Even with their high price and the advent of organic synthesis, rose oils are still perhaps the most widely used essential oil in perfumery. Rose plant is globally popular and culturally significant flowering plant that is cultivated across the world, with many varieties being native to Asia. Rose extracts are medically or therapeutically significant components that are derived from petals, fruits, leaves and seeds of the rose plant. Each of these types of extracts has been part of traditional medicines but are finding increasing commercial applications. The market for rose oil is a function of the increasing consumer preference for natural and organic ingredients in everyday products. Rose oil is particularly used as an essential oil due to its bactericidal, antispasmodic, and antidepressant properties. The increasing use of essential oils is due to the growing preference for safe and harmless alternatives to allopathic solutions.

**Related Projects:** - [Essential Oils](#), [Phytochemicals](#), [Aromatic Chemicals](#)

Increasing per capita spending on perfumes and personal care products in developing and emerging economies has led to an increase in demand for aromatic essential oil with added functionality, which is anticipated to drive the market of global rose oil market over the forecast period.

**Related Videos:** - [Essential Oils, Phytochemicals, Aromatic Chemicals, Aromatic Compounds, Spice Oils and Oleoresins Projects](#)

Furthermore, health benefits associated with rose oil such as anti-inflammatory, acne-preventing, anti-aging, moisturizing, rejuvenating, stimulating, and harmonizing properties of rose oil is expected to fuel the growth of rose oils market in the developed market over the forecast period. However, improper alignment between supply and demand, as the majority of the cultivation of oil producing species of rose such as *Rosa damascene* is concentrated in few countries and the high cost of rose oil, when compared to other aromatic essential oil, is anticipated to hamper the growth global rose oil market.

**Related Books:** - [Essential Oils Extraction and Processing](#)

## Sterile Water for Injection with BFS Technology Unit

Sterile Water for Injection, USP is used for fluid replacement only after suitable additives are introduced to approximate its tonicity and to serve as a vehicle for suitable medications. Sterile water is water that has no microorganisms living within it. As it cannot transfer pathogens, it is used mainly in the medical setting. Sterile water, though sometimes distilled, is not the same thing as distilled water. As some microorganisms can survive at high temperatures, simply boiling water may not be enough to sterilize it. Special, but not uncommon, equipment is required if one wishes to sterilize water.

**Related Projects:** - [IV Fluids, I.V. solutions, Intravenous fluids, Normal Saline](#)

This kind of water is free of all microbial life. As sterilized water does not contain the same amount of dissolved salt as the human body, over hydration would occur if a physician used the water as an irrigation fluid during surgery or other invasive medical procedures.

The value of sterile water is its ability to act as a solvent in many pharmacological compounds that physicians will eventually inject into patients. The water is also a tool in helping physician's clean wounds without putting patients at risk for infection.

**Related Books:** - [Pharmaceutical, Drugs, Proteins Technology Handbooks](#)

The global intravenous solutions market will grow at a steady CAGR of almost 6% during the forecast period. Intravenous solutions have a complete mix of essential nutrients and help people suffering from conditions like diabetes and cancer to get the required nutrients. These fluids are very effective in treating electrolyte imbalances and replacing lost fluids. Products used in intravenous therapy are highly regulated by governments to ensure quality and constant availability to consumers. A wide variety of products, including antibiotics and medications, are used during intravenous therapy to treat patients.

## Sulphuric Acid (Gypsum Based)

Sulfuric acid ( $\text{H}_2\text{SO}_4$ ) is a strong mineral acid. It is soluble in water at all concentrations. It was once known as oil of vitriol. Sulfuric acid has many applications, and is one of the top products of the chemical industry. Many proteins are made of sulfuric acid-containing amino acids such as cysteine and methionine which produced sulfuric acid when metabolized by the body. Sulfuric acid is a constituent of acid rain which is formed by atmospheric oxidation of sulfur dioxide in the presence of water – i.e. oxidation of sulfurous acid. It is the main byproduct produced when sulfur-containing fuels such as coal or oil are burned.

**Related projects:- [Chemicals \(Organic, Inorganic, Industrial\) Projects](#)**

It is a very important commodity chemical, and indeed, a nation's sulfuric acid production is a good indicator of its industrial strength.

The major use (60% of total production worldwide) for sulfuric acid is in the “wet method” for the production of phosphoric acid, used for manufacture of phosphate fertilizers as well as disodium phosphate for detergents. Sulfuric acid is used for a variety of other purposes in the chemical industry. It is the usual acid catalyst for the conversion of cyclohexanoneoxime to caprolactam, used for making nylon. It is used for making hydrochloric acid from salt via the Mannheim process. Much  $\text{H}_2\text{SO}_4$  is used in petroleum refining, for example as a catalyst for the reaction of isobutene with isobutylene to give isooctane, a compound that raises the octane rating of gasoline (petrol). Sulfuric acid is important in the manufacture of dyestuffs solutions and is the “acid” in lead-acid (car) batteries. It is also used as a general dehydrating agent in its concentrated form.

**Related Books:** - [Chemical Technology \(Organic, Inorganic, Industrial\), Fine Chemicals](#)

Sulfuric acid referred as universal chemical, king of chemicals due to the numerous applications for sulfuric acid as a raw material or processing agent.



Sulfuric acid is the most commonly used chemical in the world and used in almost all industries like

- Fertilizers
- Pharmaceuticals
- Gasoline
- Automobile batteries
- Paper bleaching
- Sugar bleaching
- Water treatment
- Sulfonation agents
- Cellulose fibers
- Steel manufacturing
- Coloring agents
- Amino acid intermediates
- Regeneration of ion exchange resins

## Tea Plantation, Blending and Packaging

Tea is the product which becomes necessity for most of Indians. Tea blending is process of bringing together teas from various sources and regions with varied level of flavor and liquor. Some regions grow tea of low level of flavor and strength and that needs to be blended with better quality of tea as per consumer's preferences. There is growing market and preference for spiced flavor tea which gives more opportunities for blending.

Tea is highly consumed product in Indian market. Most of people have tea as a routine in their daily needs. It is consumed sometimes 3-4 times a day by an average person. Tea with various varieties, flavor and juice is preferred by consumers. In small and large corporate, tea is needed for vending machines. Pre-mix tea or instant mix tea is also getting space in Indian tea market. Spiced, elaichi, ginger flavored tea is getting more demand in today's consumption. Moreover, wastages during blending process can be utilized for fertilizer and can give revenue and help environment.

**Related Projects: - [TEA PROCESSING AND PACKAGING](#)**

The global tea market is expected to witness a CAGR of 4.5%, during the forecast period (2020 - 2025). A rise in the disposable incomes of consumers has enabled the tea manufacturers to introduce premium and health-oriented products. They have started adding several healthy ingredients to their organic tea formulations in order to target some of the common health conditions including diabetes, beauty, obesity, heart health, etc. Therefore, a shift towards the consumption of organic tea acts as an emerging trend which is having a positive impact on the growth of the tea market.

**Related Projects: - [Food Processing and Agriculture Based Projects](#)**



## Turmeric & Ginger Plantation & Processing

Turmeric, (*Curcuma longa*), perennial herbaceous plant of the ginger family (*Zingiberaceae*), the tuberous rhizomes, or underground stems, of which have been used from antiquity as a condiment, a textile dye, and medically as an aromatic stimulant. Native to southern India and Indonesia, turmeric is widely cultivated on the mainland and in the islands of the Indian Ocean. In ancient times it was used as a perfume as well as a spice. The rhizome has a pepper like aroma and a somewhat bitter warm taste and has a strong staining orange-yellow colour. It is the ingredient that colors and flavours prepared mustard and is used in curry powder, relishes, pickles, and spiced butters for vegetables, in fish and egg dishes, and with poultry, rice, and pork. Ginger (*Zingiber officinale*) is a flowering plant whose rhizome, ginger root or ginger, is widely used as a spice and a folk medicine. It is an herbaceous perennial which grows annual pseudo stems (false stems made of the rolled bases of leaves) about one meter tall bearing narrow leaf blades. The inflorescences bear flowers having pale yellow petals with purple edges, and arise directly from the rhizome on separate shoots. Ginger is in the family *Zingiberaceae*, which also includes turmeric (*Curcuma longa*). **Related Book:** - [The](#)

[Complete Book on Ginger Cultivation and Manufacture of Value Added Ginger Products](#)

## Benefits of Turmeric and Ginger

- Ginger and turmeric are two of the most extensively studied ingredients in herbal medicine.
- Interestingly, both have been used for centuries to treat a variety of ailments, ranging from migraines to chronic inflammation and fatigue.
- Both have also been used to help relieve pain, decrease nausea, and enhance immune function to help protect against illness and infection.
- Pain-Relieving
- Antioxidant-Rich
- Anti-Inflammatory
- Heart-Healthy
- Cancer-Blocking
- Stomach-Soothing
- Immune-Boosting

**Related Projects:** - [Ginger Cultivation, Ginger Processing and Ginger value added Products and Projects](#)

## Yarn, Fabric and Garments Production Using Solar Charkha and Solar Looms

Khadi is handspun, hand-woven natural fiber cloth mainly made out of cotton. The cloth is woven from cotton and may also include silk, or wool, which are all spun into yarn charkha. It is a versatile fabric, cool in summer and warm in winter. In order to improve the look, khadi/khaddar is sometimes starched to give it a stiffer feel. It is widely accepted in fashion circles.

Khadi is an indigenously made fabric which is mainly known as khadi is made out of cotton but it can be silk or wool as well. All these natural staple or fibres are spun by hat-charkha or solar charkha. Khadi fabric has its own character, texture and slubs enhance the beauty of khadi fabric. Khadi is suitable for all kind weather of India. It has good perspiration absorbing quality so it doesn't cause body sweat odor. Western consumer taking interest in khadi fabric.

**Related Projects:** - [Textile, Apparel, Clothing, Denim wear, Innerwear, Lingerie, Hosiery, Denim Jeans, Readymade Garments](#)





Though solar charkhas have sporadically and experimentally been in use across India, this is the first concerted push by the government to introduce them on a mega scale with private and public participation. Field trials of solarized charkhas in Khanwa village of Nawada district in the eastern state of Bihar have been encouraging.

Yarn is a long continuous length of interlocked fibres, suitable for use in the production of textiles, sewing, crocheting, knitting, weaving, embroidery, or rope making Thread is a type of yarn intended for sewing by hand or machine. Modern manufactured sewing threads may be finished with wax or other lubricants to withstand the stresses involved in sewing. Yarn can be made from a number of natural or synthetic fibers. Many types of yarn are made differently though. There are two main types of yarn: spun and filament.

**Related Projects:** - [Renewable Energy Sector, Green Power, Solar Energy, Biofuel, Hydroelectric, Wind, Geothermal, Biomass](#)



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# Major Queries/Questions Answered in Our Report?

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

5. **What is the total project cost for setting up the plant?**
6. **What are the operating costs for setting up the plant?**
7. **What are the machinery and equipment requirements for setting up the plant?**
8. **Who are the Suppliers and Manufacturers of Plant & Machinery for setting up the plant?**
9. **What are the requirements of raw material for setting up the plant?**



- 10. Who are the Suppliers and Manufacturers of Raw materials for setting up the plant?**
- 11. What is the Manufacturing Process of the plant?**
- 12. What is the total size of land required for setting up the plant?**
- 13. What will be the income and expenditures for the plant?**
- 14. What are the Projected Balance Sheets of the plant?**

- 15. What are the requirement of utilities and overheads for setting up the plant?**
- 16. What is the Built up Area Requirement and cost for setting up the plant?**
- 17. What are the Personnel (Manpower) Requirements for setting up the plant?**
- 18. What are Statistics of Import & Export for the Industry?**
- 19. What is the time required to break-even?**

- 20. What is the Break-Even Analysis of the plant?**
- 21. What are the Project financials of the plant?**
- 22. What are the Profitability Ratios of the plant?**
- 23. What is the Sensitivity Analysis-Price/Volume of the plant?**
- 24. What are the Projected Pay-Back Period and IRR of the plant?**
- 25. What is the Process Flow Sheet Diagram of the plant?**
- 26. What are the Market Opportunities for setting up the plant?**
- 27. What is the Market Study and Assessment for setting up the plant?**
- 28. What is the Plant Layout for setting up the plant?**

## **Reasons for Buying Our Report:**

- **The 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**
- **The report provides vital information on the product like it's characteristics and segmentation**
- **The report helps you market and place the product correctly by identifying the target customer group of the product**

- **The 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**



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**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**

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Google Maps*

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# Contact us

## ***NIIR PROJECT CONSULTANCY SERVICES***

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# **Niir PROJECT CONSULTANCY SERVICES**

**AN ISO 9001: 2015 CERTIFIED 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*

## What do We Offer?

- *Project Identification*
- *Detailed Project Reports/Pre-feasibility Reports*
- *Business Plan*
- *Market Research Reports*
- *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

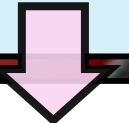
**Requirement collection**



**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

## **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
- 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
- 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

# 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:
  - ⌘ Growth drivers of the industry
  - ⌘ Latest market trends
  - ⌘ Insights on regulatory framework
  - ⌘ SWOT Analysis
  - ⌘ Demand-Supply Situation
  - ⌘ Foreign Trade
  - ⌘ Porters 5 Forces Analysis



## Objective

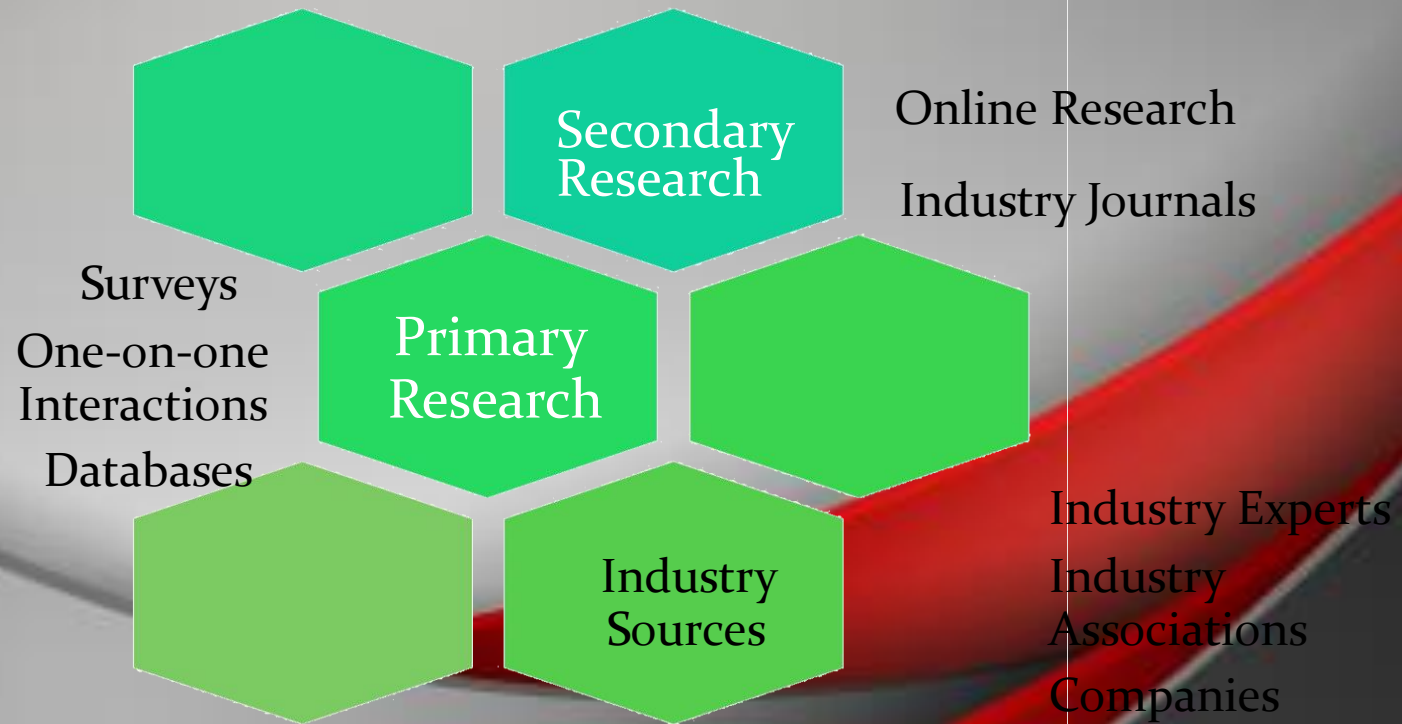
- ⌘ To provide forecasts of key parameters which helps to anticipate the industry performance
- ⌘ To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- ⌘ To help an entrepreneur/manager in keeping abreast with the changes in the industry
- ⌘ To evaluate the competitive landscape of the industry by detailing:
  - ⌘ Key players with their market shares
  - ⌘ Financial comparison of present players

## Clientele

- ⌘Venturist/Capitalists
- ⌘Entrepreneur/Companies
- ⌘Industry Researchers
- ⌘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

∞ Financial Planners

∞ Research veterans with decades of experience

## Structure of the Report

- 1. Overview
- 2. Market Analysis
  - 2.1 Growth Drivers
  - 2.2 Emerging Trends in the Industry
  - 2.3 Regulatory Framework
  - 2.4 SWOT Analysis
  - 2.5 Herfindahl–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



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