Grapes Packhouse for Exports.

Packaging of Grapes with Cold Storage.

Fruit Packaging Business

[NPCS/5068/23378]

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Introduction

Grapes are versatile fruits used in a wide range of popular foods — from raisins to jelly to wine. They are also packed with nutrients and antioxidants, and have high amounts of the phytonutrient resveratrol, which is good for the heart. In fact, while grapes are good for your overall health, they are especially lauded for their heart benefits.

Grapes are berries that grow on a vine. Because of their versatility, variety and portability, grapes are popular all over the world. More than 72 million tons of grapes are grown annually around the globe.

Grapes have been around for thousands of years. As grapes ripen on their vines, they turn translucent green, black, purple, or red.

Some types of grapes have edible seeds. Other types are seedless. Seedless grapes may be easier to eat, but grapes with seeds tend to be sweeter. The seed itself may taste slightly bitter. The grapes you find in your local grocery store are known as table grapes. Wine grapes are used to make wine. They are smaller than table grapes, but have thicker skins and larger seeds.

Grapes have been cultivated for thousands of years and have been revered by several ancient civilizations for their use in winemaking.

There are many types of grapes including green, red, black, yellow and pink. They grow in clusters and come in seeded and seedless varieties.

Grapes are grown in temperate climates across the world, including Southern Europe, Africa, Australia and North and South America. The majority of grapes grown in the US are from California.

Grapes offer a wealth of health benefits due to their high nutrient and antioxidant contents.

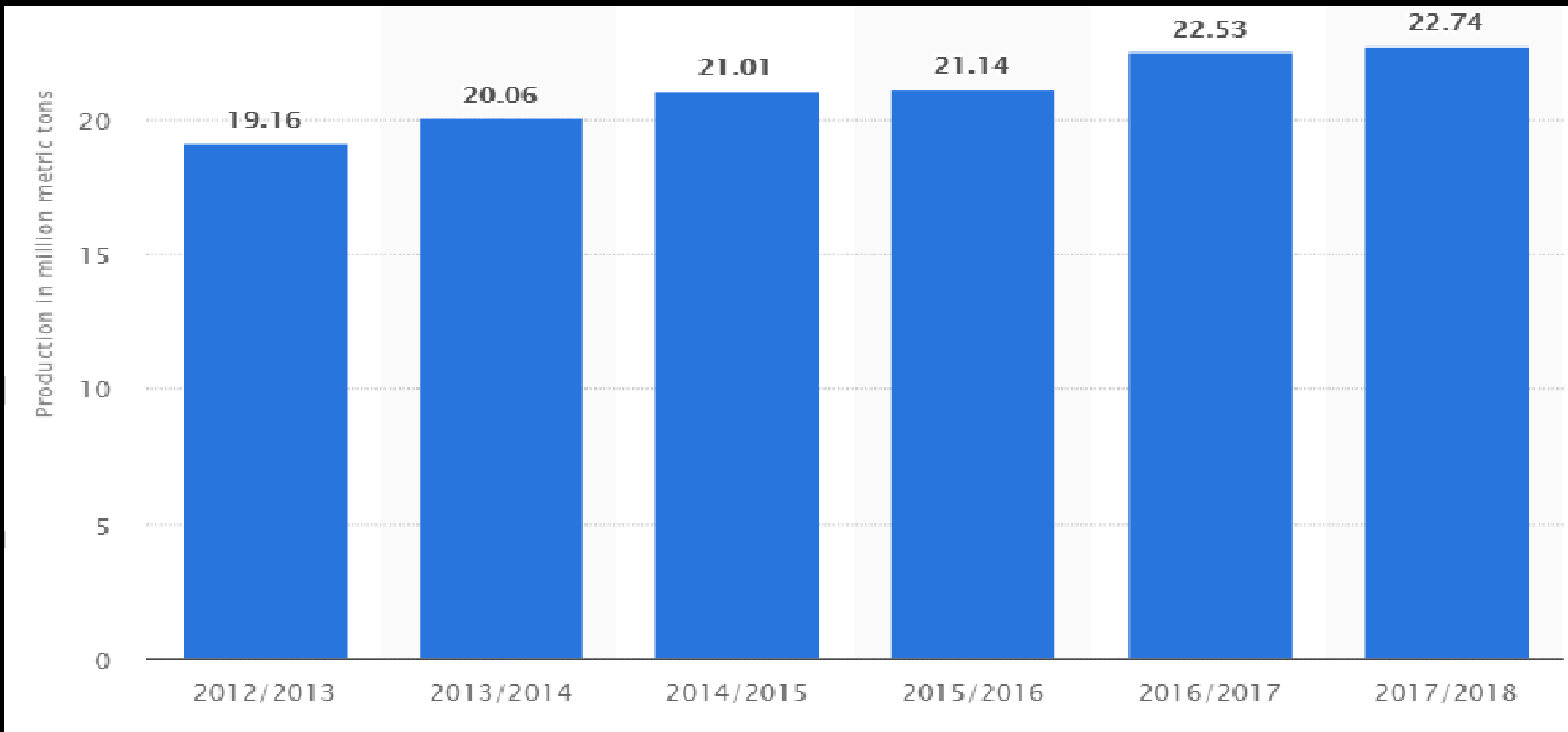
Today, 72 million tons of grapes are grown each year worldwide, mostly to produce wine. Every year, 7.2 trillion gallons of wine are produced. Grapes are also a popular finger food.

The nutrients in grapes offer a number of possible health benefits. They have been associated with prevention of cancer, heart disease, high blood pressure, and constipation.

In India, Grapes are cultivated in an area of 111.4 thousand ha with a total production 1,234.9 thousand tons and productivity of 11.1 tons/ha. Because of special arbor training systems provided for grape cultivation in India, productivity is highest among the grape growing countries of the world.

Maharashtra is a leading state in production of grapes in the whole country. With regard to agricultural land under grape cultivation and grapes production.

Grape Production Worldwide from 2012/2013 to 2017/2018 (In Million Metric Tons)



The global grapes production was estimated to be 77.4 million metric ton in the year 2016, which was a 0.8% increase in production compared to 2015. Although a 0.4% decrease in the area was observed on a global level, the production continued to increase. The major grapes producing countries include Italy, France, US, Spain, and China. Italy is the largest grapes producing country, with an annual production of 8.2 million metric ton in the year 2016. In terms of region, Europe is the largest grapes producing region in the world, accounting for more than 45% of the world grapes production.

Cooling and Storing Grapes

Grapes Cold Storage Room is fully advanced and considered suitable for the proper freezing and chilling.

Whether they are going to be eaten raw, made into juice or wine, or used in other products, it is important to properly cool and store grapes to keep them fresh, delicious, and nutritious.

Temperature – Grapes should be stored at a temperature of about 30°F-32°F. Cooler storage runs the risk of freeze damage whereas warmer temperatures may be insufficient to fully preserve them.

Relative Humidity – Grapes have a very high moisture content and as such require a high relative humidity. They should be stored at a relative humidity of about 90%-95%. Additionally it is important to avoid placing them directly in the path of rapidly flowing air since this will hasten dehydration.

Storage and Handling – Grapes should be stored away from other produce that have a strong smell since they may absorb odors. In particular they shouldn't be left near onions and leeks. It is also important to ensure that there is adequate air flow around the grapes to keep them cool and that they are not too tightly packed together. Finally, all efforts should be made to prevent the grapes from coming into contact with water since this will also hasten decay.

Shelf Life – Under proper conditions fresh grapes will have a shelf life of about 1-2 weeks. Longer shelf lives may be attained if the fruit is frozen, processed, or preserved.

Ethylene – It is worth noting that unlike many other types of produce grapes are not ethylene sensitive and the presence of ethylene will not affecting ripening or decay.

Benefits:

-Loaders & Unloaders with Light Platform Trolleys for Easy Movement

-Reduced Muscle Power And Fast Info On Weights Of Inward Material.

-Sorting Operators Ergonomic Handling of Inward Crates

-Packing Materials Reaching Operators without Delay

-Weighing and Packing On Special Y Designed, Dedicated Tables

-Stuffing into Cold Storage Well Within Time for Shelf Life of Grape Fruit.

Fruit Packaging Market

Packaging has become an essential part of the global economy. Packaging not only caters to storage and enhances shelf life but also offers attractive packaging design which also plays a significant role in the revenue generation from the packaging. The global market for packaging particularly for fruits is marked by both packaging formats, flexible as well as rigid packaging. Fruit packaging market is characterized based on the material type, and packaging format. Fruit packaging is done in order to promote safe and healthy eating along with extending the shelf life of fruits. Fruits produced are packaged into crates, baskets, etc. for transporting and storing. Fruits after harvesting, have a low shelf life to maintain the freshness and enhanced shelf life; packaging plays a vital role.

The packaging of fresh fruits is one of the important procedure in the long run journey from the cultivator to the consumer, which in turn plays a pivotal role in creating value added eco-friendly service. Containers such as crates, bags, cartons, hampers are convenient for transporting, handling and supplying fresh produce. Henceforth, different types of packages have been manufactured globally, and it will grow on the back drop of new packaging materials. Moreover, the manufacturers are more focused on reducing the cost of the materials by introducing container standardization.

In the current scenario, the trend has moved towards a broad range of size of the packages, to provide the diverse necessity to the vendors and consumers of packaged fruit. Packaging materials utilized in the packaging of fruits plays a vital role in the packaging industry. Therefore it is essential that shippers, buyers and consumers have a clear approach to the broad range of packaging options available. Moreover, packaging has become an essential part of the global economy, not only for the preservation for extending shelf life but also to cater high-value graphics to the products.

The global fruit processing industry has witnessed various technological advancements in the past few years. Advanced packaging products such as self-venting microwave packs and respiring trays are finding increasing application in the global fruit packaging market.

India Export of Fresh Grapes

Value in Rs. Lacs

	2015-16		2016-17		2017-18	
Country	Qty	Value	Qty	Value	Qty	Value
Netherland	50,390.44	58,588.51	55,010.43	61,224.15	58,456.97	64,753.35
Russia	12,445.66	12,705.38	22,340.94	23,466.83	27,434.39	27,734.44
United Kingdom	17,598.08	20,654.35	13,580.14	15,544.22	18,594.24	22,193.56
Germany	4,222.37	4,994.07	10,467.38	11,913.54	16,449.51	18,091.76
United Arab Emirates	11,692.60	9,794.17	14,597.00	11,694.64	13,574.90	10,971.59
Saudi Arabia	5,486.93	4,681.37	7,308.91	6,306.15	9,482.96	7,116.90
Thailand	3,146.12	4,011.81	4,509.70	5,922.65	5,043.03	6,554.06
Finland	1,574.50	2,013.04	2,079.88	2,532.52	2,131.87	2,854.18
Hong Kong	1,056.33	1,424.45	2,094.50	3,060.31	1,969.32	2,832.70
Belgium	41.60	43.25	4,651.57	4,900.95	2,331.45	2,534.07
Sri Lanka	1,732.15	2,284.91	1,776.37	2,313.58	2,196.06	2,441.11
Oman	636.19	459.44	919.98	676.82	2,799.36	2,328.50
Taiwan	1,079.69	1,396.39	2,389.64	3,327.77	1,560.62	2,046.99
Denmark	599.94	726.37	608.26	666.48	1,660.66	2,028.54

Norway	1,894.00	1,453.60	1,154.66	1,836.22	1,155.80	1,882.12
Nepal	5,283.45	1,244.21	7,059.54	1,932.38	7,763.62	1,450.38
Bangladesh	7,831.79	3,204.43	38,106.99	10,285.06	5,073.32	1,437.91
Malaysia	407.65	532.98	566.22	756.63	830.58	976.73
Qatar	136.97	111.29	524.27	415.14	1,211.74	919.92
China P Rp	551.50	800.60	1,123.55	1,733.09	607.32	826.63
Lithuania	717.71	847.48	896.50	1,024.20	701.26	792.98
Canada	22.91	27.39	264.39	341.47	576.22	722.88
Switzerland	272.92	372.86	477.26	673.72	457.90	717.30
Sweden	1,282.16	1,485.11	1,509.39	1,570.64	663.30	664.88
Italy	147.30	157.20	378.06	470.73	548.72	637.30
Latvia	217.46	238.10	308.94	276.00	641.35	610.65
Kuwait	241.55	169.81	446.14	300.96	729.29	591.44
France	175.05	163.99	552.09	542.32	549.45	570.65
Bahrain	537.50	427.82	588.71	394.72	728.22	498.34
Ireland	520.31	481.01	519.13	382.77	501.10	413.70
Spain	0.00	0.00	146.75	138.54	320.75	381.02
Poland	112.73	98.91	641.91	647.32	381.42	257.58
Romania	101.64	110.31	68.20	59.18	221.95	231.43

Indonesia	12.79	21.16	199.25	245.50	148.56	181.25
Singapore	29.20	39.48	65.85	75.33	153.41	158.33
Belarus	53.31	51.59	68.49	52.14	108.69	100.53
Austria	0.00	0.00	0.00	0.00	78.00	88.23
Ukraine	38.39	30.52	16.85	15.88	90.22	82.08
Czech Republic	87.77	83.23	198.77	179.40	84.55	74.27
Cambodia	0.00	0.00	60.31	94.39	38.06	60.59
Mauritius	20.00	19.91	31.00	33.97	50.01	57.00
Greece	0.00	0.00	0.00	0.00	32.30	39.89
Maldives	25.30	27.62	19.88	22.43	25.90	35.97
Kenya	0.00	0.00	14.00	9.00	25.97	17.95
Jordan	0.00	0.00	4.00	5.27	15.00	17.55
Iraq	0.00	0.00	0.00	0.00	13.50	8.67
Vietnam Social Republic	78.74	113.59	0.00	0.00	5.67	3.78
United States	15.00	14.01	15.30	16.10	1.00	1.53
Australia	0.00	0.00	0.00	0.00	0.85	0.87
Seychelles	0.00	0.00	18.00	6.38	0.56	0.45
Brunei	0.00	0.00	0.00	0.00	0.11	0.17
Senegal	0.00	0.00	0.00	0.00	0.05	0.10

Liberia	0.00	0.00	0.00	0.00	0.03	0.03
Panama Republic	0.00	0.00	0.00	0.00	0.02	0.02
Malta	0.00	0.00	0.00	0.00	0.01	0.01
Estonia	65.59	74.10	0.00	0.00	0.00	0.00
Georgia	0.00	0.00	18.30	17.39	0.00	0.00
Iran	0.00	0.00	45.90	54.99	0.00	0.00
Mali	0.00	0.00	0.00	0.00	0.04	0.00
Philippines	0.00	0.00	3.01	3.32	0.00	0.00
Reunion	11.34	9.73	0.00	0.00	0.00	0.00
Slovenia	15.50	15.57	0.00	0.00	0.00	0.00
Swaziland	12.48	12.11	0.00	0.00	0.00	0.00
Unspecified	24.99	8.35	25.00	8.19	0.00	0.00
Total	**1,32,647.60**	**1,36,225.58**	**1,98,471.31**	**1,78,171.38**	**1,88,221.16**	**1,89,994.8**

Source: DGCIS Annual Export

Machinery Photographs

GRAPES SORTING, CUTTING CONVEYOR

Z TYPE CONVEYOR

14 HEADS WEIGHER

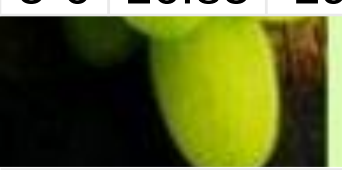
PACKING MACHINE

Project at a Glance

PROJECT AT A GLANCE							(` in lacs)
COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	35.00	35.00	Capital	0.00	177.02	177.02
Buildings	0.00	215.00	215.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	294.14	294.14	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	10.00	10.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	64.00	64.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	20.00	20.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	531.07	531.07
Preliminary& Pre-operative Exp	0.00	3.00	3.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	28.00	28.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	38.95	38.95				
TOTAL	0.00	708.09	708.09	TOTAL	0.00	708.09	708.09

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	4.93	9.42	14.93	24.00	0.00	100.00	4.93	0.00	4.93	1.00	0.00
2-3	8.08	11.99	23.00	18.00	0.00	100.00	8.08	0.00	8.08	1.00	0.00
3-4	11.14	14.55	34.14	12.00	0.00	100.00	11.14	0.00	11.14	1.00	0.00
4-5	14.07	17.06	48.21	6.00	0.00	100.00	14.07	0.00	14.07	1.00	0.00
5-6	16.85	19.46	65.06	0.00	0.00	100.00	16.85	0.00	16.85	1.00	0.00



Project at a Glance

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%		%		
Initial				3.00	3.00									
1-2	1.37	1.37		1.61	1.61	2.07		16.74%	9.58%	7.00%	720.03	57.81%	1.57	0.97
2-3	1.70	1.52		0.78	0.78	1.13		20.30%	14.79%	9.84%	840.02	57.80%	1.71	1.40
3-4	2.08	1.70	2.08	0.35	0.35	0.62		22.68%	18.41%	11.87%	960.02	57.80%	1.73	1.94
4-5	2.54	1.88		0.12	0.12	0.33		24.26%	20.95%	13.33%	1080.02	57.80%	1.66	2.57
5-6	3.09	2.08		0.00	0.00	0.17		25.26%	22.70%	14.36%	1200.03	57.80%	1.55	5.02

Project at a Glance

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	56.87%
Total BEP (% of Installed Capacity)	60.72%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	27.93%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	5.567

Major Queries/Questions Answered in the Report?

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

5. What is the structure of the Grapes Packing Business and who are the key/major players ?

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- Annexure 34 :: Tax on Profits
- Annexure 35 :: Projected Pay-Back Period and IRR

Reasons for Buying our Report:

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

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

Our Approach:

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

Scope of the Report

The report titled "Market Survey cum Detailed Techno Economic Feasibility Report on Grapes Packing for Exports with 100 MT Cold Storage." provides an insight into Grapes Packing market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Grapes Packing project. The report assesses the market sizing and growth of the Indian Grapes Packing 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 Grapes Packing sector in India along with its business prospects. Through this report we have identified Grapes Packing project as a lucrative investment avenue.

Tags

Packaging of Grapes, Grapes Packing, Packing Grapes, Packing Grapes for Export, Fruit Packaging, Export of Grapes, Packing of Fruit, Processing of Grapes, Grape Processing, Grapes Packing for Exports, Grapes Packhouse Process for Export, Grapes Packing for Exports with Cold Storage, Packing Grapes for Export, Packinghouses for Export of Grape, Packaging of Table Grapes for Exports, Export Packing of Grapes, Project Report on Grapes Packing Industry, Detailed Project Report on Fruit Packaging, Project Report on Grapes Packing for Exports, Pre-Investment Feasibility Study on Packaging of Grapes, Techno-Economic feasibility study on Fruit Packaging, Feasibility report on Grapes Packing for Exports, Free Project Profile on Grapes Packing for Exports, Project profile on Fruit Packaging, Download free project profile on Grapes Packing, How to Start Packaging Business, Grapes Cold Storage, Cold Storage of Grapes, Cold Storage for Fruits, Fruit Cold Storage Room, Grapes Cold Storage Room, Cooling and Storage of Grapes, Cold Storage, How to Store Grapes in Cold Storage, Grape Storage, Cold Storage Unit

Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on

Grapes Packhouse for Exports.

Packaging of Grapes with Cold Storage.

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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**

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

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

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NIIR PROJECT CONSULTANCY SERVICES

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

New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23845886

Website : www.entrepreneurindia.co , www.niir.org

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NIIR PROJECT CONSULTANCY SERVICES

An ISO 9001:2015 Company

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- *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.

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- *Laboratory Testing Services*
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- *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

Contact us

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

New Delhi-110007, India.

Email: npcs.ei@gmail.com , info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886, 8800733955

Mobile: +91-9811043595

Fax: +91-11-23845886

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