

# Soybean and Palm Oil Refining Business.

# Refining of Crude Soya Bean and Palm Oil.

#### Opportunities in Edible Oil Industry

[NPCS/4676/22650]



#### Introduction

Soybean oil is one of the most important edible oil used in India. Soybean oil in its crude form is the second most traded oil in international market after palm oil. Degummed (Crude) and Refined soy oils are the two traded forms of the commodity in the spot as well as futures markets.





Crude Degummed Soybean Oil is a product obtained when soybean are processed in the production of protein products and after lecithin extraction. It is important because of the high content of linoleic acid, an essential polyunsaturated fatty acid, as well as the other valuable minor ingredients such as phytosterols, tocopherols (antioxidants) and fat-soluble vitamins.

Extracted from soybean, soybean oil is extensively used for household cooking and in great demand from restaurants as well. This oil has an important role in the preparation of shortenings and margarine.





A number of factors are driving the global soybean oil market; these include the emulsifying ability of the oil and its low-caloric content. Soybean oil has no trans-fat and negligible saturated fat, making it a preferred choice from among all other oils. The soybean market is anticipated to grow in the years to come owing to a rise in the demand for food, growing population, improvement in retailing network, rapid urbanization, and increasing soy crop yields.





#### **Palm Oil**

Palm oil is a product type of vegetable oil, extracted from the reddish pulp of palm oil fruits. For oil & gas industry, it is supplied as in the crude form that is without being refined or processed. In comparison with other types of vegetable oils, palm oil consumption provides benefits to its consumer such as improving energy levels, enhancing vision, maintaining hormonal balance and so on. It is also rich in antioxidants, beta-carotene and various nutrients including vitamin K, omega-3 & omega-6 fatty acids and several lipids.





Crude palm is a widely used as an edible oil with a market volume share of 77%, is likely to remain an integral part of consumer diets, despite ban on its inclusion in dairy products in certain countries. Raw red oil is one of the most widely consumed products across the world and is likely to remain a dominant segment.







#### **Market Outlook**

The global market for Palm Oil is projected to exceed 85 million metric tons by 2024, driven by ubiquitous application in broad range of everyday products and the resulting growing demand for certified sustainable palm oil.

Besides several favorable factors, stringent environmental regulations governing production, on the other hand, is anticipated to hamper the global market growth. A higher production cost owing to the adoption of sustainable production methods is presumed to be another market restraint and is anticipated to ward off new market entrants.





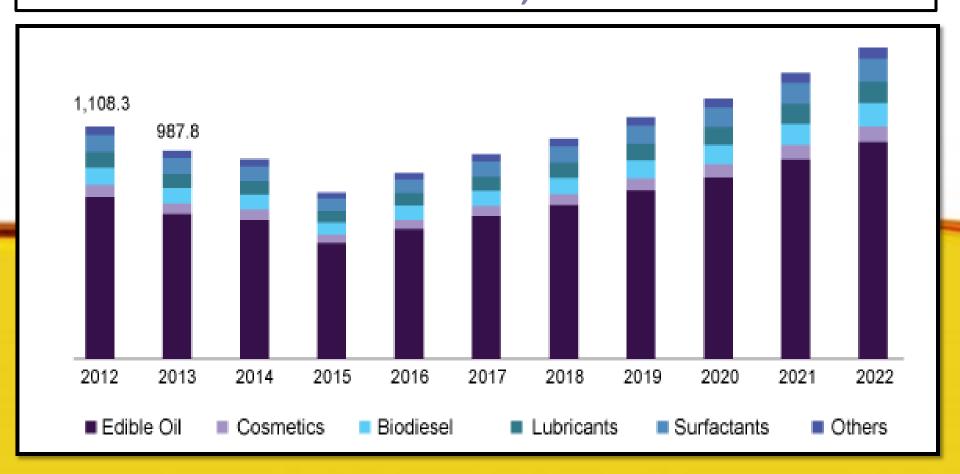
The global market is characterized by stringent government regulations mandating companies to conform to sustainability in production and extraction. Transitioning consumer preferences regarding carbon-emitting fuels and sources are leading to higher demand in biodiesel applications.







# U.S. Palm Oil Market Size by Application, 2012-2022 (USD Million)



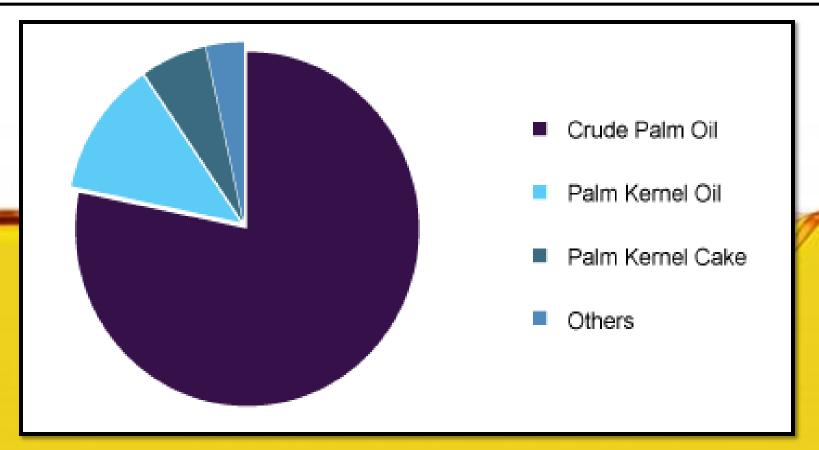


Asia Pacific palm oil market dominated the overall demand in 2015 and it accounted for the significant share of the market. Production in the region increased significantly in recent years driven by the increase in the cumulative land area of palm oil plantation, rising palm oil yield, and high investment in R&D related activities. Malaysia and Indonesia palm oil industry currently dominate the global production scenario. They are also the major global exporters, covering a large portion of the global trade. Latin America and the Middle East & Africa are expected to witness significant growth in areas such as food applications and other industrial uses.





# Global Palm Oil Market Share by Product, 2015 (%)





Moreover, the low cost of palm oil compared to the other vegetable oils has boosted the palm oil market growth in the estimated period. Furthermore, rising market penetration by the majority of oil producing countries such as Malaysia, Indonesia, and Thailand might hint the novel prospect in the palm oil market in the upcoming period.

Palm oil refining industries are most important manufacturing sectors in the world and Palm oil has become an increasingly important vegetable oil in the world market and today is the largest traded vegetable oil in the world. Malaysia is the largest producer and exporting company of Crude Palm oil.





Key players in palm oil market are Cargill Inc., United Palm Oil Industry Public Company Limited, Wilmar International Limited, Sime Darby, Golden Agri Resources Limited, Godrej Agrovet Limited, PT Astra Agro Lestari Tbk, IOI Corp., London Sumatra, Kulim Bhd, Musim Mas Group, Alami Group and ADM.







#### **Soybean Oil Market**

The global soybean oil market reached a volume of 48.8 Million Tons in 2017, registering a CAGR of 1.9% during 2010-2017. The market is projected to reach a volume of 55.6 Million Tons by 2023, at a CAGR of 1.8% during 2018-2023. Soybean oil refers to a clear yellow vegetable oil which is extracted from the seeds of soybean. It is a rich source of essential nutrients like vitamins, proteins, fatty acids and plant sterols. As a result, soybean oil helps in improving immunity, preventing osteoporosis, managing heart health, boosting skin and eye health, lowering cholesterol levels, and reducing the threat of cognitive disorders. Over the years, soybean oil has become a preferred choice for cooking in households and restaurants due to its neutral taste, high smoke point and negligible saturated fat content.



Some of the key factors which are influencing the demand for soybean oil in the global market is due to increasing number of health conscious consumers and changing preference of consumers towards healthy food. Nowadays, soybean oil is highly preferred among consumers suffering diseases from high cholesterol, obesity and cardiovascular as it helps to manage cholesterol, improves the immune system, reduce cognitive disorder and also helpful to maintain healthy skin.

These are some key factors which are driving the demand for soybean oil in the developed and developing countries. Moreover, it is also preferred by food manufacturers to fulfill the demand for consumers seeking for food products with highly nutritional content.



Food manufacturers are using soybean oil as a key ingredient as it has low saturated fat value, no trans-fat, and fewer calories and on the other side the demand for soybean oil is also fueling from healthcare industry as it is a rich source of omega-3 fatty acids, vitamins and minerals. In addition, the versatility of soybean oil is also one of the key factor which creates opportunities for rubber and plastic industries, pharmaceutical and nutraceutical products across the global market. In future, the growth soybean may inhibit due to the availability of substitutes such as sunflower oil, olive oil, palm oil and many other conventional oil which may limit the growth of soybean oil market.





On the basis of the regional segment, soybean oil market is segmented into seven regions including North America, Latin America, Western Europe, Eastern Europe, Asia-Pacific, Japan and the Middle East & Africa. On analyzing the market share on the graph, it is expected that North America and Asia-Pacific accounts for the majority of share in terms of value and volume in global soybean oil market. Furthermore, increasing demand for soybean oil in household purpose and in fast food industry among developing countries of Asia Pacific region. In addition, increasing urban population and increasing number of health conscious consumers in China and India show that Asia Pacific region is expected to be one of the most attractive markets in near future.





The demand for soybean oil has been continuously increasing due to an increased soybean supply and the tightened supply in the market of other vegetable oils, particularly rapeseed oil. Soybean oil is the second most consumed vegetable oil in the world, and its production is driven by its demand in Asia and the U.S.

The growing awareness among consumers regarding advantages of soybean oil in comparison to other vegetable edible oils has driven its demand significantly.





The health-related concerns among consumers is likely to shift their food preferences and this will benefit the global soybean market because this oil is a source of omega-3 fatty acids and vitamin E. On the other hand, the availability of substitutes such as olive, rice bran, palm, sunflower, and rapeseed oil in abundance is limiting the demand for soybean oil.

Nowadays, consumers who suffer from health-conditions like obesity, high cholesterol and cardiovascular diseases are incorporating soybean oil in their food. Increasing health-consciousness has created a shift from ready-to-eat (RTE) products to home cooked items which is further catalyzing the growth of the soybean oil market.





## **Machinery Photographs**



CHEMANO

**CRUSHER** 

STORAGE TANK





**MIXING TANK** 



**CENTRIFUGE** 



## **Project at a Glance**

PROJECT AT A GLANCE						(USD in Thousand	s)
COST O	F PROJEC	CT		MEANS	OF FINAN	ICE	
Particulars	Existing	Proposed	Total	Particulars	Existing	Propose d	Total
Land & Site Development							
Exp.	0.00	350.00	350.00	Capital	0.00	457.33	457.33
Buildings	0.00	505.00	505.00	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	451.00	451.00	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	25.00	25.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	181.00	181.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	50.00	50.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00		Long/Medium Term Borrowings	0.00	1372.00	1372.00
Preliminary& Pre-operative Exp	0.00	10.00	10.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	45.00	45.00	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	212.33	212.33				
TOTAL	0.00	1829.33	1829.33	TOTAL	0.00	1829.33	1829.33



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Yea r	Annualised	Book Value		Divid end

EPS CEPS Per Share

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### **Project at a Glance**

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Initi al				3.00	3.00									
1-	4 00	4 00		4 70	4 70	7.40		3.84	0.000/	0.000/	3930.8		4.00	0.00
2	1.08	1.08		1.78	1.78	7.10		% 4.65	0.93%			% 46.22	4.89	0.99
2-3	1.56	1.31		0.84	0.84	4.73		4.65 %	1.98%		4585.2 0	%	5.06	1.05
								5.18			5240.2	16.23		
3-4	2.11	1.56	2.06	0.36	0.36	3.18		%	2.71%	1.73%	1	%	5.04	1.13
								5.49			5895.2	16.23		
4-5	2.71	1.81		0.12	0.12	2.27		%	3.18%	2.02%	2	%	4.90	1.22
								5.66			6550.2	16.23		

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3.46% 2.19%

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**Profitability Ratio** 

Debt / Equit | Total | Retur

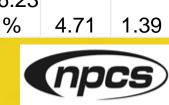
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**Depo Equit Worth** 

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**Asset Curre** 

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#### **Project at a Glance**

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BEP -	Maximum	Utilisation	Year

Cash BEP (% of Installed Capacity)

Total BEP (% of Installed Capacity)

IRR, PAYBACK and FACR

Internal Rate of Return .. (In %age)

Payback Period of the Project is (In Years) Fixed Assets Coverage Ratio (No. of times)

78.69%

26.88%

2 Years 8 Months 38.667

77.31%



#### Major Queries/Questions Answered in the Report?

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



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



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



- 13. What is the total size of land required for setting up Soybean and Palm Oil Refining plant?
- 14. What will be the income and expenditures for Soybean and Palm Oil Refining Business?
- 15. What are the Projected Balance Sheets of Soybean and Palm Oil Refining plant?
- 16. What are the requirement of utilities and overheads for setting up Soybean and Palm Oil Refining plant?
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- 18. What are the Personnel (Manpower) Requirements for setting up Soybean and Palm Oil Refining Business?
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- 20. What is the time required to break-even of Soybean and Palm Oil Refining Business?
- 21. What is the Break-Even Analysis of Soybean and Palm Oil Refining plant?
- 22. What are the Project financials of Soybean and Palm Oil Refining Business?



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



27. What are the Market Opportunities for setting up Soybean and Palm Oil Refining plant?

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#### Reasons for Buying our Report:

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



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



## Our Approach:

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



#### Scope of the Report

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



## **Tags**

#Soybean\_Oil\_Refinery, #Refining\_of\_Soya\_Bean\_Oil, #Soyabean\_Crude\_Oil, Soybean Oil Refining, Soybean Processing, Production of Crude Oil, Crude Soya Bean Oil, Palm Oil Refining Process, #Palm\_Oil\_Refining\_Plant, Crude Palm Oil Refining Plant, Crude Palm Oil Refining, Palm Oil Processing, Palm Oil Refining Process Pdf, Palm Oil Process, How to Make Palm Oil, #Extraction\_and\_Refining\_of\_Crude\_Palm\_Oil, Edible\_Oil\_Refining\_Process, #Project\_Report\_on\_Crude\_Palm\_Oil\_Refining\_Plant, Detailed Project Report on Soybean Oil Production Business, Project Report on Palm Oil Extraction Refining, and #Pre Investment Feasibility Study on Crude Palm Oil Refining Plant, Techno-Economic feasibility study on Palm Oil Extraction and Refining, #Feasibility\_report\_on\_Edible\_Oil\_Refinery,



Free Project Profile on Soybean Oil Production Business, Project profile on Soybean Oil Production Business, Download free project profile on Crude Palm Oil Refining Plant, Palm Oil Processing, Palm Oil Extraction and Refining, Soybean Oil Production, Crude Palm Oil Production Process, Soybean Oil Extraction Process, Soybean Oil Production Process, Soybean Oil Extraction Process Pdf, #Production of Crude Palm Oil, Crude Palm Oil Process Flow Diagram, Palm Oil Processing Pdf, Crude Palm Oil Production, Palm Oil Industry, How to Start Soybean Oil Manufacturing Business, Soybean Oil Extraction Process Pdf, Soybean Oil Refining Process Flow Chart, Soybean Oil Uses, Edible Oil Refinery/ Soybean Oil Refinery/ Palm Oil Refining, Refined Soyabean Oil, Processing and Refining Edible Oils, Processing of Soybean Oil for Food Uses, Starting a Soybean Processing Business, #Soybean\_Oil\_Production\_Business, Starting a Small Scale Soya Oil Plant, Starting a Palm Oil Processing Industry, How to Start Palm Oil Extraction Business, How to Start a Palm Oil Processing Business, Palm Oil Production and Processing Business



Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on Soybean and Palm Oil Refining Business.

Refining of Crude Soya Bean and Palm Oil.

**Opportunities in Edible Oil Industry** 

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



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

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- 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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- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad



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#### What do we offer?

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



#### How are we different?

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



## Our Approach

Requirement collection

Thorough analysis of the project

**Economic feasibility study of the Project** 

Market potential survey/research

**Report Compilation** 



### Contact us

#### NIIR PROJECT CONSULTANCY SERVICES

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