# LPG Bottling Plant

Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Working Capital Requirement, Plant Layout, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis







#### Introduction

Liquefied Petroleum Gas is a Propane/Butane mixture liquefied under normal ambient temperature and moderate pressures. It is a safe, clean burning, reliable, high calorific value fuel. In addition to its use as a domestic fuel, it is also widely used in industries, where there is a requirement of low sulphur content fuel and fine temperature controls. The Chemical composition of propane is C3H8 and butane, C4H10. Liquefied Petroleum Gas (LPG), popularly known as cooking gas, is a mixture of hydrocarbons which are gaseous at normal temperature, but can be liquefied at moderate pressure, and can be stored in cylinders as a liquid under pressure, and is drawn out and used as gas.



# **Applications:**

- For industries today, quality, costs, efficiency, environment, heat controllability, among others, are major concerns when it comes to choosing the right fuel.
- LPG addresses all these making it the ideal fuel choice for a host of industrial and domestic applications.



- LPG is a pure, clean energy source which provides even and controllable heat. This makes it the ideal heat and power source for a wide range of industrial uses.
- Since LPG is almost free from sulphur, it can be used in sensitive situations such as chemical processes, etc.
- LPG is also used for space and process heating to power industrial ovens, kilns, furnaces, machinery and in food processing units.



# **Market Outlook**

LPG consumption in India is forecast to surpass 35 MMT by FY26. North region dominated India LPG market over the past few years, and is further forecast to continue dominating the market through FY26.

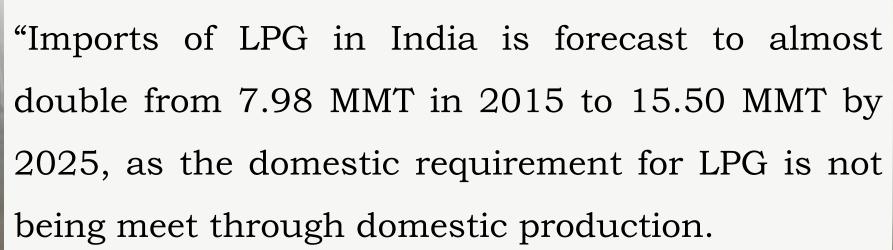
Liquefied petroleum gas (LPG) is a flammable mixture of various hydrocarbons, and majorly consists of propane and butane.



LPG gas is colorless and odorless; and emits less quantity of CO2 when compared to petrol or diesel. Thus, LPG is extensively used as a cooking fuel, both in commercial and residential setups throughout the country.

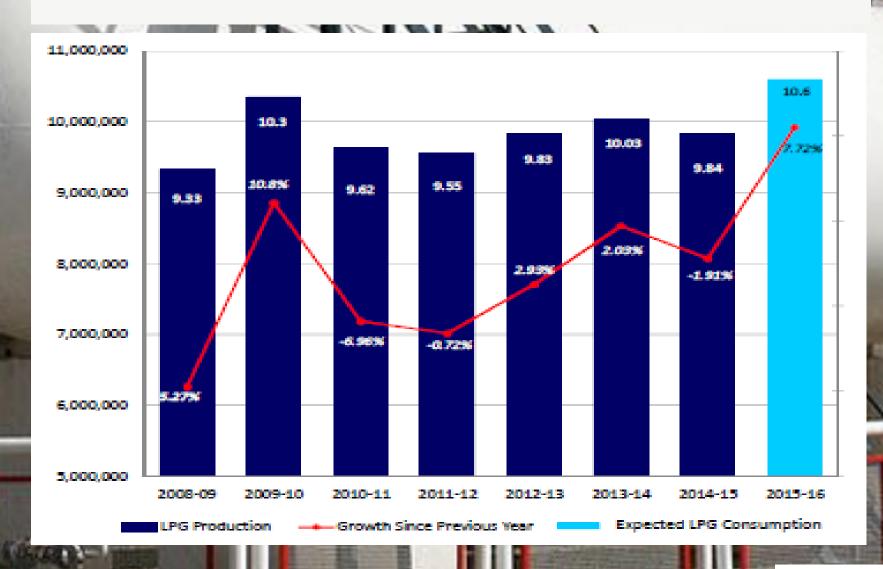
Growth in the country's LPG market over the past few years can be attributed to rising demand from residential and commercial segments in the country. Number of LPG consumers in India increased from 1387.3 million in FY13 to 2,041 million in FY16.





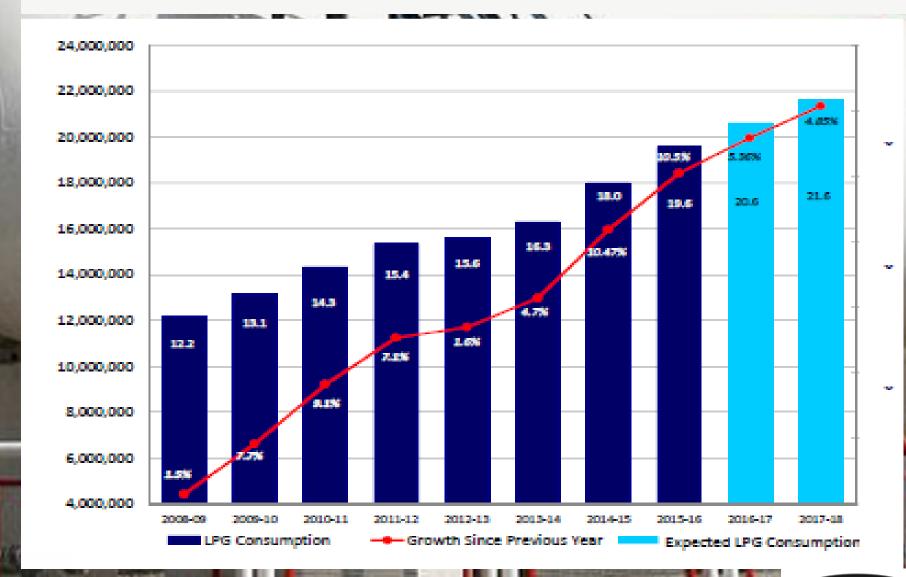


#### India's LPG Production



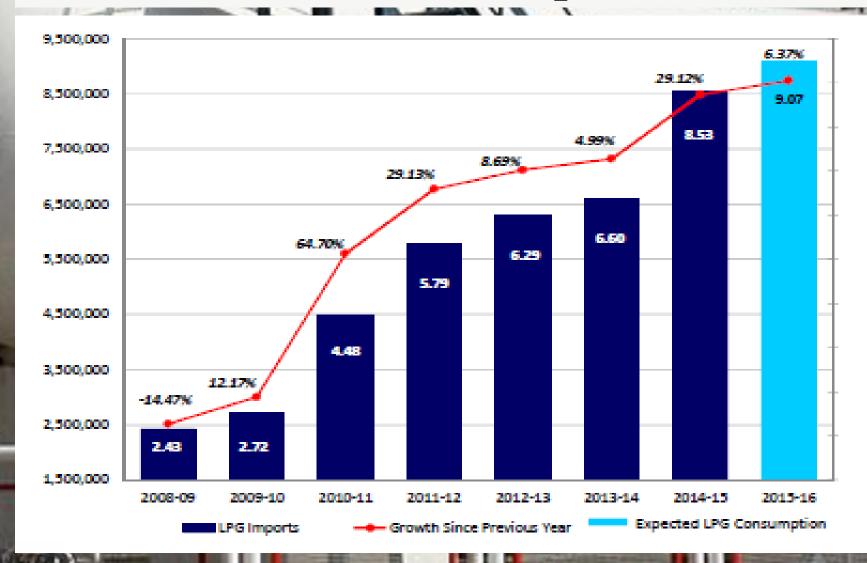


## India's LPG Consumption





## India's LPG Imports





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

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



- 5. What is the structure of the LPG Bottling Business and who are the key/major players?
- 6. What is the total project cost for setting up LPG Bottling Plant?
- 7. What are the operating costs for setting up LPG Bottling Plant?
- 8. What are the machinery and equipment requirements for setting up LPG Bottling Plant?



- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up LPG Bottling Plant?
- 10. What are the requirements of raw material for setting up LPG Bottling Plant?
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up LPG Bottling Plant?



- 12. What is the total size of land required for setting up LPG Bottling Plant?
- 13. What will be the income and expenditures for LPG Bottling Plant?
- 14. What are the Projected Balance Sheets of LPG Bottling Plant?
- 15. What are the requirement of utilities and overheads for setting up LPG Bottling Plant?
- 16. What is the Built up Area Requirement and cost for setting up LPG Bottling Business?



- 17. What are the Personnel (Manpower)
  Requirements for setting up LPG Bottling
  Plant?
- 18. What is the Plant Layout for setting up LPG Bottling Business?
- 19. What is the time required to break-even of LPG Bottling Plant?
- 20. What is the Break-Even Analysis of LPG Bottling Plant?
- 21. What are the Project financials of LPG Bottling Plant?



- 22. What are the Profitability Ratios of LPG Bottling Plant?
- 23. What is the Sensitivity Analysis-Price/Volume of LPG Bottling Plant?
- 24. What are the Projected Pay-Back Period and IRR of LPG Bottling Plant?
- 25. What is the Process Flow Sheet Diagram of LPG Bottling project?





27. What is the Market Study and Assessment for setting up LPG Bottling Plant?





#### 1. PROJECT LOCATION

- 1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION
- 1.1.1. General
- 1.1.2. Location & Geographical Area
- 1.1.3. Topography
- 1.1.4. Administrative set up
- 1.1.5. Map
- 1.1.6. Industry at a Glance

#### 2. INTRODUCTION

#### 3. USES & APPLICATIONS



#### 4. B.I.S. SPECIFICATIONS

- 4.1. IS: 4576-(1984): LIQUEFIED PETROLEUM GASES.
- 4.2. IS: 4093-(1987): NON-REFILLABLE LIQUEFIED PETROLEUM GAS CONTAINERS.
- 4.3. IS: 8818-(1977): METHODS FOR MEASUREMENTS OF PETROLEUM GASES AND TOWN GAS IN BULK

#### 5. PROPERTIES

#### 6. MARKET SURVEY



- 6.1. ENERGY PROFILE
- 6.2. LIQUEFIED PETROLEUM GAS (LPG) INDUSTRY

# 7. EXPORT & IMPORT STATISTICS DATA OF INDIA

- 7.1. EXPORT STATISTICS DATA FOR LPG BOTTLE
- 7.2. IMPORT STATISTICS DATA FOR LPG BOTTLE

#### 8. SPECIFICATION OF PRODUCT

- 8.1. SPECIFICATIONS OF LPG
- 8.2. COMPARISON WITH OTHER FUELS





# 15. DETAILS OF PLANT AND MACHINERY WITH PHOTOGRAPHS

**16. PLANT LAYOUT** 



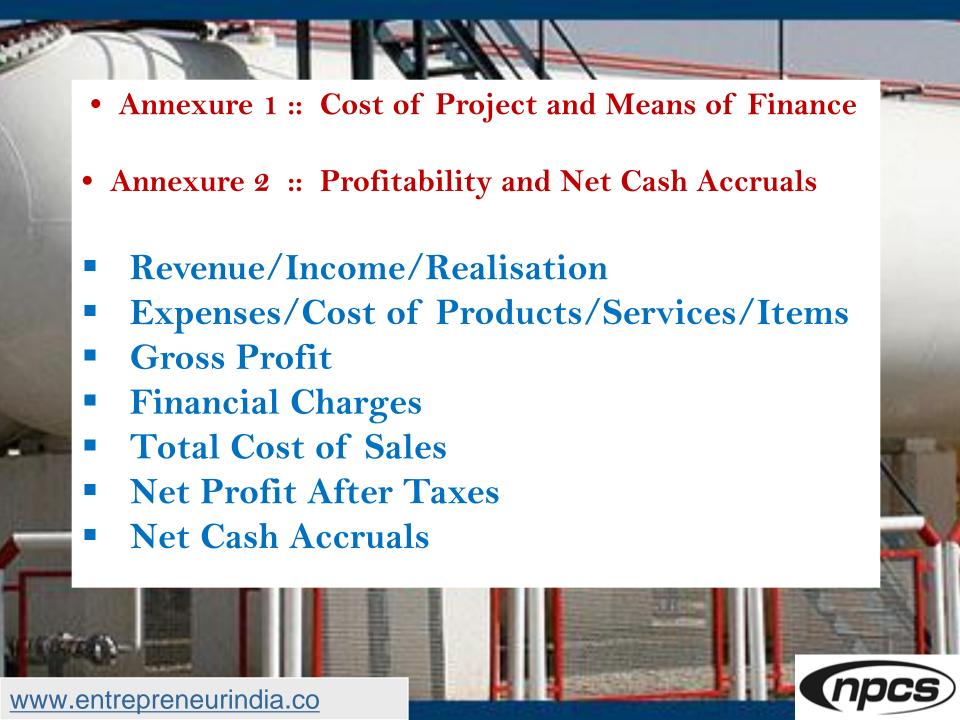
# **Project Financials**

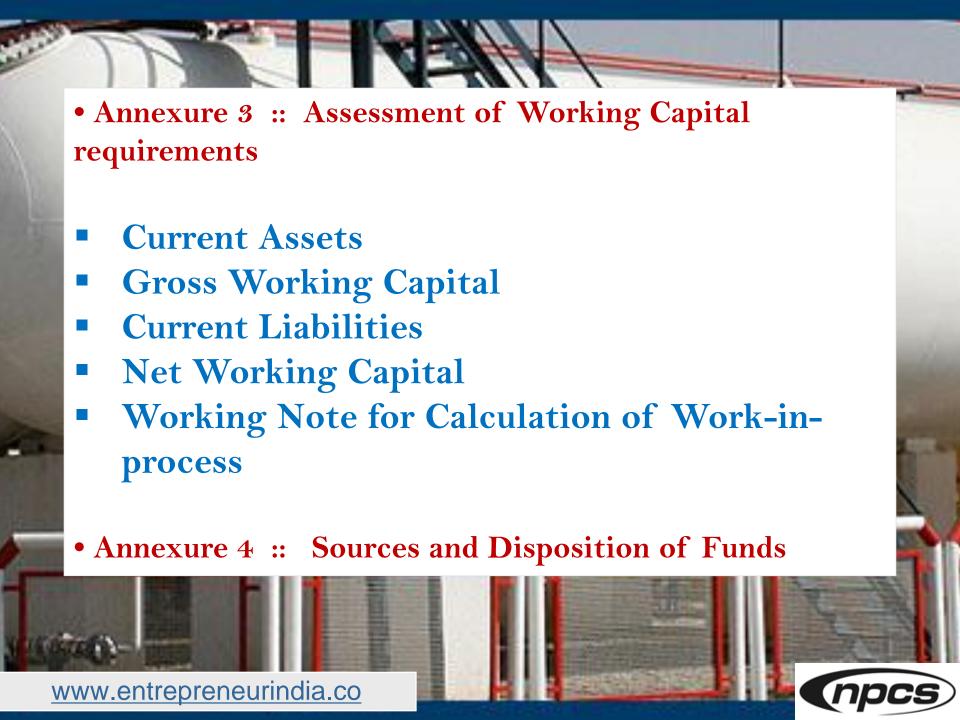
•	Project at a Glance	Annexure
•	Assumptions for Profitability workings	
•	Plant Economics	2
•	Production Schedule	3
•	Land & Building	4
	Factory Land & Building Site Development Expenses	

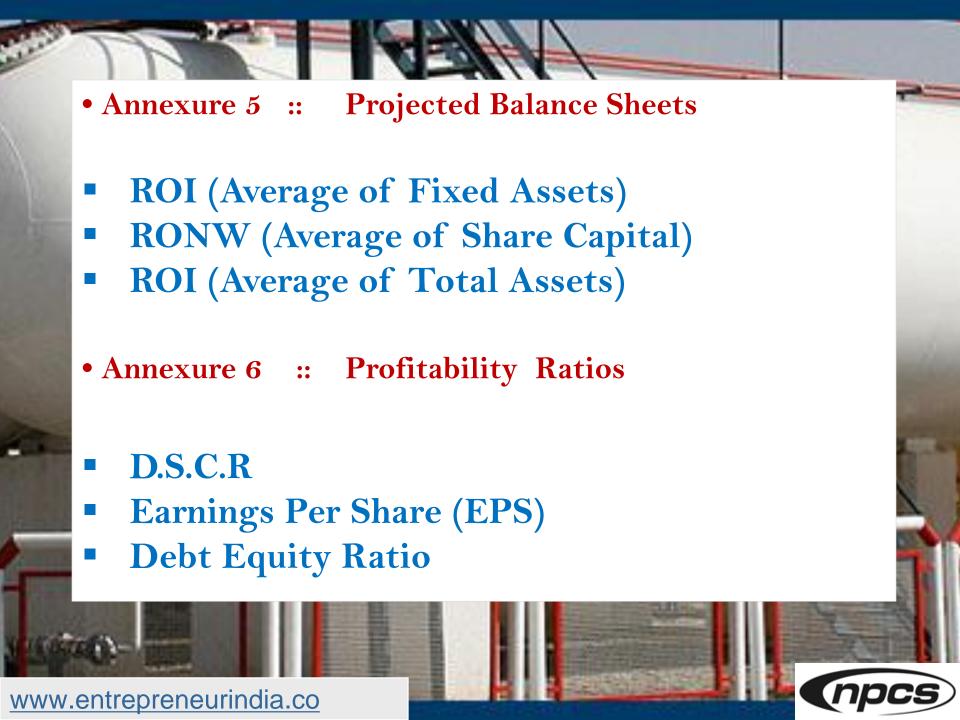
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• Plant & Mac	hinery5
	Indigenous Machineries
ì	Other Machineries (Miscellaneous, Laboratory etc.)
Other Fixed	Assets6
	Furniture & Fixtures
	Pre-operative and Preliminary Expenses
	Technical Knowhow
	Provision of Contingencies
Working Ca	pital Requirement Per Month
	Packing Material
	Lab & ETP Chemical Cost
	Consumable Store
CONTROL -	
www.entreprener	urindia.co

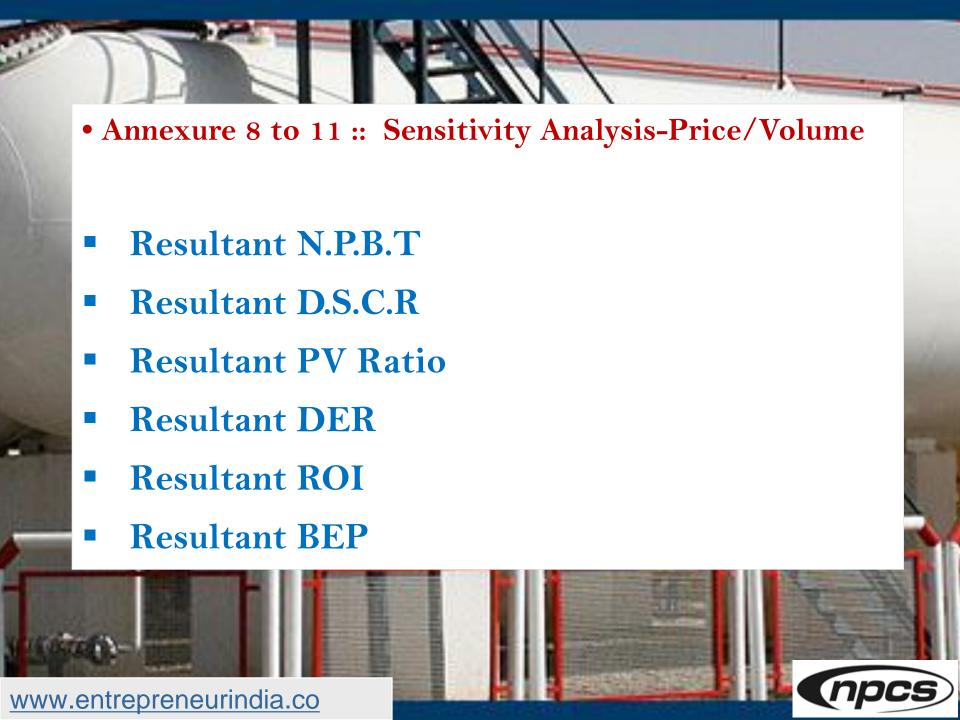
Overheads Required Per Month and Per Annum  Utilities & Overheads (Power, Water and Fuel Exper Royalty and Other Charges Selling and Distribution Expenses			
Salary and Wages	9		
Turnover Per Annum	10		
Share Capital11			
Equity Capital Preference Share Capital			











- Annexure 12 :: Shareholding Pattern and Stake Status
- Equity Capital
- Preference Share Capital
- Annexure 13 :: Quantitative Details-Output/Sales/Stocks
- Determined Capacity P.A of Products/Services
- Achievable Efficiency/Yield % of Products/Services/Items
- Net Usable Load/Capacity of Products/Services/Items
- Expected Sales/ Revenue/ Income of Products/ Services/
   Items



**Product wise Domestic Sales** Annexure 14 Realisation **Total Raw Material Cost** Annexure 15 Annexure 16 Raw Material Cost per unit **Total Lab & ETP Chemical Cost** Annexure 17 Consumables, Store etc. Annexure 18 **Packing Material Cost** Annexure 19 **Packing Material Cost Per Unit** Annexure 20 www.entrepreneurindia.co

• Annexure 21 :: Employees Expenses

• Annexure 22 :: Fuel Expenses

• Annexure 23 :: Power/Electricity Expenses

• Annexure 24 :: Royalty & Other Charges

• Annexure 25 :: Repairs & Maintenance

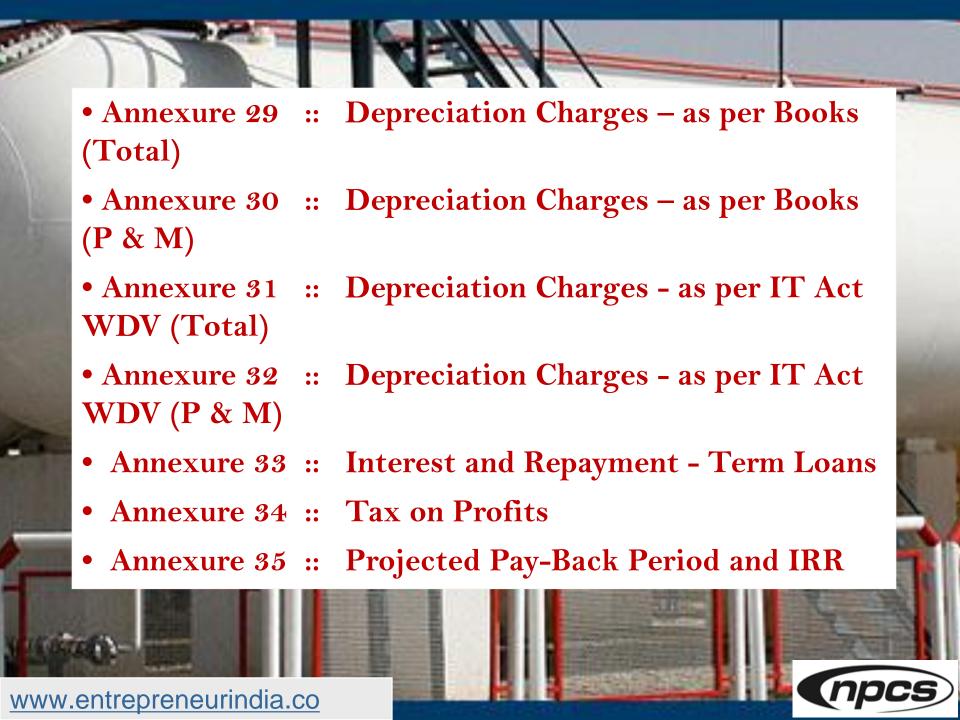
#### **Expenses**

• Annexure 26 :: Other Manufacturing Expenses

• Annexure 27 :: Administration Expenses

• Annexure 28 :: Selling Expenses





## Reasons for buying our report:

/ NAA-A

- 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 LPG Bottling Plant "provides an insight into the LPG Bottling Plant market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of LPG Bottling Plant project. The report assesses the market sizing and growth of the Indian LPG Bottling Plant 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:

**(npcs**)

- 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 LPG Bottling Plant sector in India along with its business prospects. Through this report we have identified LPG Bottling Plant project as a lucrative investment avenue.



Tags

LPG Bottling Plants, LPG Bottling Plant in India, Liquefied Petroleum Gas Bottling Plants, LPG Bottling Plant Process, Project Report on LPG Bottling Plant, LPG Bottling Plant Project Report, Process of LPG Bottling Plants, Set Up LPG Bottling Plant in India, Project Profile on LPG Bottling Plants, LPG Bottling Plant Equipment, LPG Bottling Plant Business Plan, Business Opportunities in LPG Bottling Plants, Business Ideas for LPG Bottling Plants, LPG Cylinders Filling Plant, LPG Filling Plant, LPG Filling Plant Business Plan, Setting Up LPG Bottling Plant, Guide for LPG Filling Plant, LPG Filling Plant Projects, Planning and Guidelines for LPG Filling Plant, LPG Bottling Plant Project Ideas, Projects on Small Scale Industries, Small Scale Industries Projects Ideas, Project Profile on Small Scale Industries, How to Start LPG Bottling Plant in India, New Project Profile on LPG Bottling Plant, Detailed Project Report on LPG Bottling Plant, Project Report on LPG Bottling Plant, Pre-Investment Feasibility Study on LPG Filling Plant, Techno-Economic Feasibility Study on LPG Bottling Plant, Feasibility Report on LPG Bottling Plant, Free Project Profile on LPG Filling Plant, Project Profile on LPG Bottling Plant, Download Free Project Profile on LPG Filling Plant, Industrial Project Report,



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## LPG Bottling Plant

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#### See more

https://goo.gl/d1N2sZ https://goo.gl/EeDFUT









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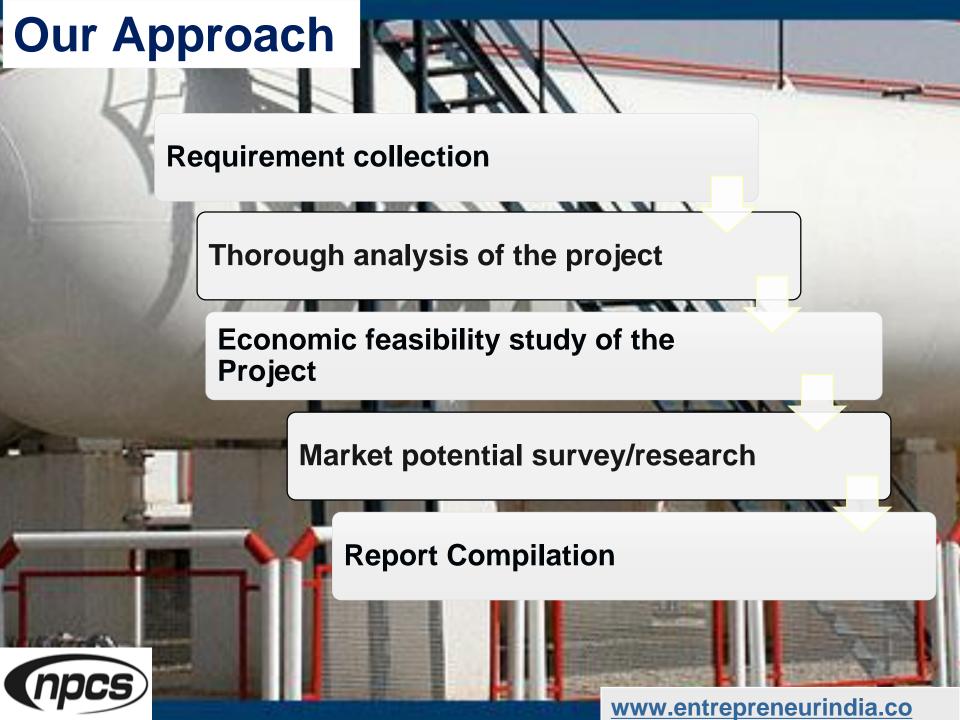
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- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
- Hotel & Hospitability Projects
- Hospital Based Projects
- Herbal Based Projects
- Inks, Stationery And Export Industries



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- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
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- Minerals And Minerals
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- Medical Plastics, Disposables Plastic Syringe, Blood Bags
- O Organic Farming, Neem Products Etc.



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