LPG Bottling Plant

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 C\textsubscript{3}H\textsubscript{8} and butane, C\textsubscript{4}H\textsubscript{10}. 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.
“Imports of LPG in India is forecast to almost double from 7.98 MMT in 2015 to 15.50 MMT by 2025, as the domestic requirement for LPG is not being met through domestic production.”
India’s LPG Production

- **2008-09**: 9.33 million
- **2009-10**: 10.3 million (10.8% growth)
- **2010-11**: 9.62 million (-6.96%)
- **2011-12**: 9.55 million (-0.72%)
- **2012-13**: 9.83 million (2.93%)
- **2013-14**: 10.03 million (2.03%)
- **2014-15**: 9.84 million (-1.91%)
- **2015-16**: 10.6 million (7.72%)

**Expected LPG Consumption**

- **2015-16**: 7.72% increase
India’s LPG Consumption

The graph shows the trend of LPG consumption in India from 2008-09 to 2017-18. The LPG consumption has been steadily increasing each year, with growth rates varying from 1.5% to 10.47%. The expected LPG consumption for 2017-18 is indicated by the blue bar. The graph also includes a line showing the growth rate since the previous year.
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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?

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20. What is the Break-Even Analysis of LPG Bottling Plant?

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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?

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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

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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.
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• 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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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:
• 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.
Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on LPG Bottling Plant.


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- Fruits & Vegetables Processing
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