



Production of Fiberglass Transparent LPG Cylinders

Growing & Best Industry for Starting a Business



Introduction

A gas cylinder may be a pressure vessel for storage and containment of gases at above atmospheric pressure. High-pressure gas cylinders also are called bottles. Inside the cylinder the stored contents could also be in a very state of gas, vapor over liquid, supercritical fluid, or dissolved during a substrate material, counting on the physical characteristics of the contents. A typical gas cylinder design is elongated, standing upright on a flattened bottom end, with the valve and fitting at the highest for connecting to the receiving apparatus.

Related Project: - [Transparent Lpg Cylinder From Fiber Glass](#)



A new generation of Composite Cylinders for filling [LPG](#) and has gained huge interest and appreciation across the world because of its various striking features. These cylinders are almost half the weight of metal cylinders and are available with specially designed handle rings that provide a firm grip.

Lack of infrastructure for distribution of LPG is that the primary reason for the growing popularity of LPG cylinders. Most of the countries which have inadequate gas resources, prefer [LPG cylinders](#) over piped LPG, as LPG is first liquefied before transporting then liquefied LPG is again converted to gaseous form, which increases the general cost of the LPG to the country.

Related Project: - [Transparent Lpg Cylinder From Fiber Glass](#)



Benefits

Explosion Proof

Light Weight

Translucent Visibility

Elegant Design

Easy Regulator Fitting

Handle For Easy Lift

Liquid Gas Visibility

Blast proof Material

Light Weight

Non Corrosive Body

Related Projects:- [Industrial Gases Projects](#)

LPG Gas Cylinder Market: Government Initiatives and Developments

Government initiatives are proving to be a boon for the growth of the LPG gas cylinder market. Throughout the forecast period, the LPG gas cylinder market may garner considerable momentum on the back of the spew of government initiatives that favor the growth of the LPG gas cylinder market. Here are some major developments and initiatives that may play a large role in the accelerated growth of the LPG gas cylinder market.

Related Project: - LPG Cylinders (Domestic and Commercial)



The Government of Kenya recently introduced the Petroleum (Liquefied Petroleum Gas) Regulations, 2019 to curb illegal cylinder refilling operations; this development helps to eliminate growth hindrances across the LPG gas cylinder market

The Government of India, under the Pradhan Mantri Garib Kalyan Yojana (PMGKY), had announced the distribution of 3 LPG gas cylinders to more than 8 crore beneficiaries of Pradhan Mantri Ujjwala Yojana (PMUY) between April and June, 2020.

Related Project: - [Transparent Lpg Cylinder From Fiber Glass](#)



Market Outlook

The Asia-Pacific [LPG Cylinder](#) Market is predicted to grow at a CAGR of around 5% during forecast period, on account of growing demand for liquefied natural gas because it is touted as an environment friendly alternative to coal, petrol and diesel. As a result, governments across various countries within the region are promoting its use over traditional fuels. Lack of infrastructure for distribution of LPG is that the primary reason for the growing popularity of LPG cylinders. Most of the countries which have inadequate gas resources, prefer [LPG cylinders](#) over piped LPG, as LPG is first liquefied before transporting and so liquefied LPG is again converted to gaseous form, which increases the general cost of the LPG to the country. The global LPG cylinder manufacturing market is expected to reach US\$ 4.7 Bn by 2026, expanding at a CAGR of 3.6% from 2018 to 2026. Asia Pacific held the highest share in the LPG cylinder manufacturing market in 2017.

Related Project: - [Transparent Lpg Cylinder From Fiber Glass](#)

Demand is expected to accelerate with rising disposable income. Rising awareness about the usage of natural fuel by end-users, and emission of minimal pollution through LPG cylinders has triggered the demand for LPG cylinders across the world. LPG may be a clean-burning fuel that produces lower levels of CO₂, NO₂, and other pollutants as compared to traditional fuels like biomass. Furthermore, LPG helps to improve air quality, reduces the emission of greenhouse gases, and protects the environment. Manufacturers are choosing [LPG cylinders](#) to avoid the danger associated with environmental issues, and overcome the toxic pollution caused by the manufacturing sector. Furthermore, progressively changing lifestyle in rural areas together with the rising income of consumers is expected to make a lucrative roadmap for LPG cylinder manufacturing industry trends over the forecast period (2018-2026).

Related Project: - [Transparent Lpg Cylinder From Fiber Glass](#)

The LPG gas cylinder market will record good growth across the forecast period of 2020-2030 on the rear of an increase within the consumption of LPG cylinders for domestic applications like cooking. The utilization of LPG gas cylinders across other applications like hot air balloons, [agriculture](#), transportation, recreation, and calefaction can also bring good growth opportunities for the LPG gas cylinder market. Supported material, the LPG gas cylinder market are often classified into metal, composite, et al LPG gas cylinder is available in 2 types: Metal LPG cylinder and Composite LPG cylinder.

Books:- [BOOKS & DATABASES](#)



Indian LPG imports have been registering some remarkable trends in the last 10 years. The growth trends over the last 10 years, 5 years and 1 year are: 17% CAGR (FY07 to FY17), 14% CAGR (FY12 to FY17) and 23%. At nearly 11 million tonnes in FY17, India surpassed Japan's imports at 10.6 million tonnes. A rapid increase in urban population combined with increasing LPG penetration in rural areas has resulted in a 10% growth in LPG consumption, making India the second largest LPG consumer in the World at 19 million tonne per year. Based on Government's continued efforts to promote clean fuel and increased adoption by consumers, LPG consumption is expected to see a sustained double-digit growth in the years to come.

Related Project: - [Transparent Lpg Cylinder From Fiber Glass](#)

The composite LPG cylinder market will witness significant growth within the years ahead, due to these cylinders' explosion aversion characteristic. The advanced fiberglass technology used for the manufacturing of composite [LPG cylinders](#) imparts the competitive advantage of explosion aversion. The lightweight and specially designed compact shape of those cylinders make their handling and transportation convenient and straightforward. Aesthetically attractive appearance is additionally a contributive factor to the composite LPG cylinder market, which leads to their preference over conventional heavy steel cylinders with inconvenient shape.

Related Video:- [Profitable Investment Opportunity in LPG Filling Plant](#)



Furthermore, the growing preference for LPG as a cooking fuel over conventional inefficient natural sources in developing economies is also projected to drive the composite LPG cylinder market globally. Moreover, governments across the globe are actively encouraging the production and use of composite [LPG cylinders](#), due to their valuable advantages like low production cost, explosion aversion, and convenient transportation.

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



Technical Information

Model	Water Cap. (Vol) Litre	Empty Cylinder Wt (W/o Valve)	Ht (MM)	Dia (MM)
LS 5L	5	2.6 Kg	347	230
LS 12L (T)	12	3.9 Kg	558	230
LS 12L (S)	12	4.7 Kg	402	302
LS 14L	14.5	5.2 Kg	443	302
LS 18L	18	5.6 kg	492	302
LS 24L	24	6.4 Kg	603	306
LS 26.2L	26.2	6.7 Kg	642	302
LS 29L	29	7.4 Kg	680	302
LS 35L	35	8.8 Kg	700	342
LS 40L	40	9.8 Kg	760	342
LS 47L	47	11.0 Kg	850	342

Key Players:-

Everest Kanto Cylinder Ltd.

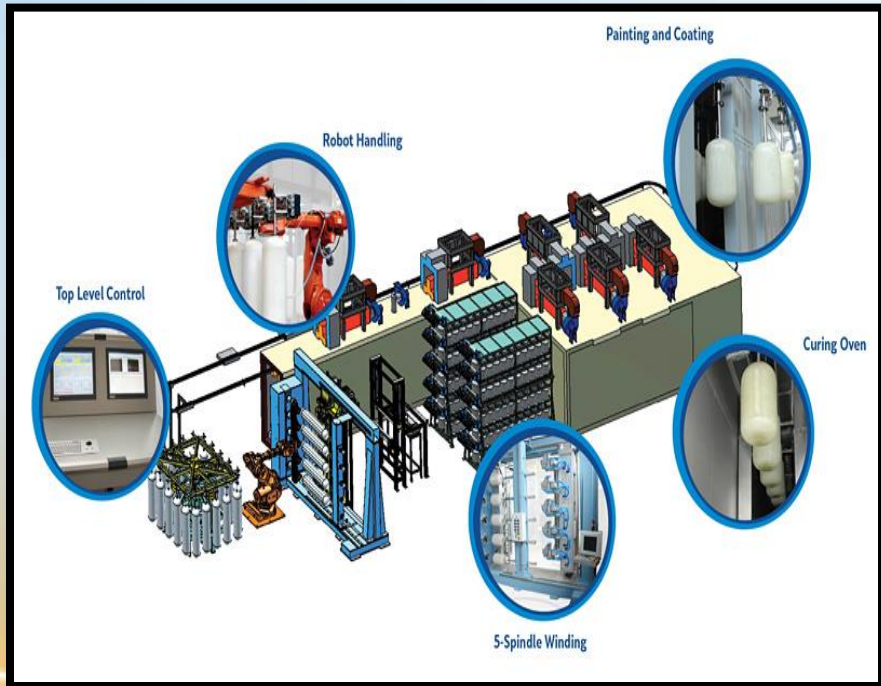
Hindustan Petroleum Corpn. Ltd.

Supreme Cylinders Ltd.

Time Technoplast Ltd.



Machinery Photographs





Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site							8003.0
Development Exp.	0.00	90.00	90.00	Capital	0.00	8003.04	4
Buildings	0.00	198.80	198.80	Share Premium	0.00	0.00	0.00
			28274.0	Other Type Share			
Plant & Machineries	0.00	28274.00	0	Capital	0.00	0.00	0.00
Motor Vehicles	0.00	20.00	20.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation							
Equipments	0.00	60.00	60.00	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow				Internal Cash			
Fees & Exp.	0.00	320.00	320.00	Accruals	0.00	0.00	0.00
Franchise & Other				Long/Medium Term		24009.1	24009.1
Deposits	0.00	0.00	0.00	Borrowings	0.00	2	12
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Debentures / Bonds	0.00	0.00	0.00
Provision for				Unsecured			
Contingencies	0.00	2825.00	2825.00	Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	219.36	219.36				
			32012.1			32012.1	32012.1
TOTAL	0.00	32012.16	6	TOTAL	0.00	6	16

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				
1-2	4.60	10.50	14.60	24.00	0.00	100.00	4.60	0.00	4.60	1.00	0.00
2-3	6.66	11.68	21.26	18.00	0.00	100.00	6.66	0.00	6.66	1.00	0.00
3-4	8.79	13.07	30.04	12.00	0.00	100.00	8.79	0.00	8.79	1.00	0.00
4-5	10.96	14.61	41.01	6.00	0.00	100.00	10.96	0.00	10.96	1.00	0.00
5-6	13.14	16.25	54.15	0.00	0.00	100.00	13.14	0.00	13.14	1.00	0.00

Project at a Glance

Year	D. S. C. R.			Debt / - Depos its Debt	Equity as- Equity	Total Net Wort h	Retur n on Net Wort h	Profitability Ratio					Assets Turno ver Ratio	Curre nt Ratio
								GPM	PBT	PAT	Net Contri bution	P/V Ratio		
	Indivi dual	Cumul ative	Over all											
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.48	1.48		1.64	1.64	1.71		39.13 %	22.75 %	20.8 7%	13695 .24	77.6 4%	0.56	0.83
2-3	1.66	1.57		0.85	0.85	0.90		47.02 %	35.65 %	25.8 8%	15967 .82	77.5 9%	0.64	1.62
3-4	1.90	1.67	1.92	0.40	0.40	0.44		52.40 %	44.81 %	29.9 1%	18248 .70	77.5 9%	0.68	2.57
4-5	2.20	1.78		0.15	0.15	0.18		56.18 %	51.51 %	33.1 5%	20529 .57	77.5 9%	0.69	3.69
5-6	2.59	1.92		0.00	0.00	0.03		58.85 %	56.52 %	35.7 8%	22810 .45	77.5 9%	0.66	23.24

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	16.25%
Total BEP (% of Installed Capacity)	27.15%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	24.88%
Payback Period of the Project is (In Years)	2 Years 3 Months
Fixed Assets Coverage Ratio (No. of times)	1.923

Major Queries/Questions Answered in the Report?

- 1. What is Transparent LPG Cylinder from Fiber Glass Manufacturing industry ?**
- 2. How has the Cement Transparent LPG Cylinder from Fiber Glass industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Transparent LPG Cylinder from Fiber Glass Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing plant ?**

- 5. What is the structure of the Transparent LPG Cylinder from Fiber Glass Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Transparent LPG Cylinder Manufacturing Business?**
- 7. What are the operating costs for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing Business?**
- 12. What is the Manufacturing Process of Transparent LPG Cylinder from Fiber Glass ?**

13. What is the total size of land required for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing plant ?
14. What will be the income and expenditures for Transparent LPG Cylinder from Fiber Glass Manufacturing Business?
15. What are the Projected Balance Sheets of Transparent LPG Cylinder from Fiber Glass Manufacturing plant ?
16. What are the requirement of utilities and overheads for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing plant?
17. What is the Built up Area Requirement and cost for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing Business?

- 18. What are the Personnel (Manpower) Requirements for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing Business?**
- 19. What are Statistics of Import & Export for Transparent LPG Cylinder from Fiber Glass ?**
- 20. What is the time required to break-even of Transparent LPG Cylinder from Fiber Glass Manufacturing Business?**
- 21. What is the Break-Even Analysis of Transparent LPG Cylinder from Fiber Glass Manufacturing plant?**
- 22. What are the Project financials of Transparent LPG Cylinder from Fiber Glass Manufacturing Business?**

- 23. What are the Profitability Ratios of Transparent LPG Cylinder from Fiber Glass Manufacturing Project?**
- 24. What is the Sensitivity Analysis-Price/Volume of Transparent LPG Cylinder from Fiber Glass Manufacturing plant?**
- 25. What are the Projected Pay-Back Period and IRR of Transparent LPG Cylinder from Fiber Glass Manufacturing plant?**
- 26. What is the Process Flow Sheet Diagram of Transparent LPG Cylinder from Fiber Glass Manufacturing project?**

27. What are the Market Opportunities for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing plant?

28. What is the Market Study and Assessment for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing Business?

29. What is the Plant Layout for setting up Transparent LPG Cylinder from Fiber Glass Manufacturing Business?

Table of Contents of the Project Report

1.1. DISTRICT PROFILE & GEOTECHNICAL SITE CHARACTERIZATION

- 1.1.1. General
- 1.1.2. History
- 1.1.3. Demography
- 1.1.4. Geography
- 1.1.5. Climate and Rainfall
- 1.1.6. Map
- 1.1.7. Economy
- 1.1.8. Industries
- 1.1.9. Industrial at a Glance
- 1.1.10. Tourist Places
- 1.1.11. Culture
- 1.1.12. Transport

2. INTRODUCTION

3. BENEFITS

4. FEATURES OF LPG COMPOSITE CYLINDERS

5. CONSTRUCTION

6. REGULATIONS AND CYLINDER TESTING

6.1. COLOR CODING

6.2. TESTS

7. B.I.S. SPECIFICATION

7.1. IS 3710: 1978 (REAFFIRMED YEAR: 2015) FILLING RATIOS FOR LOW PRESSURE LIQUEFIABLE GASES CONTAINED IN CYLINDERS.

7.2. IS 5903: 2014 (REAFFIRMED YEAR: 2019) RECOMMENDATION FOR SAFETY DEVICES FOR GAS CYLINDERS.

7.3. IS 6044: PART 1: 2018 LIQUEFIED PETROLEUM GAS STORAGE INSTALLATIONS— CODE OF PRACTICE PART 1 RESIDENTIAL, COMMERCIAL AND INDUSTRIAL CYLINDER INSTALLATIONS (THIRD REVISION).

7.4. IS 16646: 2017 TRANSPORTABLE REFILLABLE FULLY WRAPPED COMPOSITE CYLINDERS FOR LIQUEFIED PETROLEUM GAS (LPG) SPECIFICATION.

-

8. INTERNATIONAL STANDARDS

- 8.1. ISO 11439: GAS CYLINDERS — HIGH-PRESSURE CYLINDERS FOR THE ON-BOARD STORAGE OF NATURAL GAS AS A FUEL FOR AUTOMOTIVE VEHICLES.
- 8.2. ISO 15500-5: ROAD VEHICLES — COMPRESSED NATURAL GAS (CNG) FUEL SYSTEM COMPONENTS — PART 5: MANUAL CYLINDER VALVE.
- 8.3. US DOT 3/4/8: E-CFR (ELECTRONIC CODE OF FEDERAL REGULATIONS) TITLE 49, PART 178, SUBPART C — SPECIFICATION FOR CYLINDERS.
- 8.4. US DOT ALUMINUM TANK ALLOY 6351-T6 AMENDMENT FOR SCUBA, SCBA, OXYGEN SERVICE — VISUAL EDDY INSPECTION.
- 8.5. AS 2896-2011: MEDICAL GAS SYSTEMS—INSTALLATION AND TESTING OF NON-FLAMMABLE MEDICAL GAS PIPELINE SYSTEMS PIPELINE SYSTEMS (AUSTRALIAN STANDARDS).

9. MARKET SURVEY

- 9.1. COMPOSITE OF LPG CYLINDER
- 9.2. OIL MARKETING FIRMS TO BEGIN SELLING COMPOSITE LPG CYLINDERS
- 9.3. GLOBAL COMPOSITE CYLINDERS MARKET
- 9.4. GROWTH OPPORTUNITIES IN THE GLOBAL LPG GAS CYLINDER MARKET

10. FINANCIALS & COMPARISON OF MAJOR INDIAN PLAYERS/COMPANIES

10.1. SECTION - I

- 10.1.1. Name of Company with Contact Details
- 10.1.2. Name of Director(S)
- 10.1.3. Credit Ratings
- 10.1.4. Plant Capacity
- 10.1.5. Location of Plant
- 10.1.6. Name of Raw Material(S) Consumed With Quantity & Cost

10.2. SECTION- II

- 10.2.1. Assets
- 10.2.2. Cash Flow
- 10.2.3. Cost as % Ge of Sales
- 10.2.4. Growth in Assets & Liabilities
- 10.2.5. Growth in Income & Expenditure
- 10.2.6. Income & Expenditure
- 10.2.7. Liabilities
- 10.2.8. Liquidity Ratios
- 10.2.9. Profitability Ratio
- 10.2.10. Profits
- 10.2.11. Return Ratios
- 10.2.12. Structure of Assets & Liabilities (%)
- 10.2.13. Working Capital & Turnover Ratios

11. COMPANY PROFILE OF MAJOR PLAYERS

- 12. PRESENT MANUFACTURERS**
- 13. MANUFACTURING PROCESS**
- 14. PROCESS FLOW DIAGRAM**
- 15. MACHINERY LIST**
- 16. SUPPLIERS OF PLANT & MACHINERY**
- 17. SUPPLIERS OF RAW MATERIAL**
- 18. PHOTOGRAPHS/IMAGES FOR REFERENCE**
 - 18.1. PRODUCT PHOTOGRAPHS
 - 18.2. MACHINERY PHOTOGRAPHS
 - 18.3. RAW MATERIAL PHOTOGRAPHS
- 19. PLANT LAYOUT**
- 20. QUOTATION OF PLANT, MACHINERY AND EQUIPMENTS FROM SUPPLIER**

Project Financials

Project at a Glance	Annexure
• Assumptions for Profitability workings	1
• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	

- **Plant & Machinery.....5**
 - Indigenous Machineries**
 - Other Machineries (Miscellaneous, Laboratory etc.)**

- **Other Fixed Assets.....6**
 - Furniture & Fixtures**
 - Pre-operative and Preliminary Expenses**
 - Technical Knowhow**
 - Provision of Contingencies**

- **Working Capital Requirement Per Month.....7**
 - Raw Material**
 - Packing Material**
 - Lab & ETP Chemical Cost**
 - Consumable Store**

- **Overheads Required Per Month and Per Annum.....8**
 - Utilities & Overheads (Power, Water and Fuel Expenses etc.)**
 - Royalty and Other Charges**
 - Selling and Distribution Expenses**
- **Salary and Wages9**
- **Turnover Per Annum10**
- **Share Capital.....11**
 - Equity Capital**
 - Preference Share Capital**

- **Annexure 1 :: Cost of Project and Means of Finance**
- **Annexure 2 :: Profitability and Net Cash Accruals**
 - **Revenue/Income/Realisation**
 - **Expenses/Cost of Products/Services/Items**
 - **Gross Profit**
 - **Financial Charges**
 - **Total Cost of Sales**
 - **Net Profit After Taxes**
 - **Net Cash Accruals**

- **Annexure 3 :: Assessment of Working Capital requirements**
 - **Current Assets**
 - **Gross Working Capital**
 - **Current Liabilities**
 - **Net Working Capital**
 - **Working Note for Calculation of Work-in-process**

- **Annexure 4 :: Sources and Disposition of Funds**

- **Annexure 5 :: Projected Balance Sheets**

- **ROI (Average of Fixed Assets)**
- **RONW (Average of Share Capital)**
- **ROI (Average of Total Assets)**

- **Annexure 6 :: Profitability Ratios**

- **D.S.C.R**
- **Earnings Per Share (EPS)**
- **Debt Equity Ratio**

- **Annexure 7 :: Break-Even Analysis**

- **Variable Cost & Expenses**
- **Semi-Variable/Semi-Fixed Expenses**
- **Profit Volume Ratio (PVR)**
- **Fixed Expenses / Cost**
- **B.E.P**

- **Annexure 8 to 11 :: Sensitivity Analysis-Price/Volume**

- **Resultant N.P.B.T**
- **Resultant D.S.C.R**
- **Resultant PV Ratio**
- **Resultant DER**
- **Resultant ROI**
- **Resultant BEP**

- **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**

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

- **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**

- **Annexure 29 :: Depreciation Charges – as per Books (Total)**
- **Annexure 30 :: Depreciation Charges – as per Books (P & M)**
- **Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)**
- **Annexure 32 :: Depreciation Charges - as per IT Act WDV (P & M)**
- **Annexure 33 :: Interest and Repayment - Term Loans**
- **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 Transparent LPG Cylinder from Fiber Glass.” provides an insight into Transparent LPG Cylinder from Fiber Glass market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Transparent LPG Cylinder from Fiber Glass project. The report assesses the market sizing and growth of the Indian Transparent LPG Cylinder from Fiber Glass 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 Transparent LPG Cylinder from Fiber Glass sector in India along with its business prospects. Through this report we have identified Transparent LPG Cylinder from Fiber Glass project as a lucrative investment avenue.

Tags

#DetailedProjectReport #businessconsultant #feasibilityReport #NPCS
#startupbusiness #LPGcylinder #lpgcylinderproduction
#businessconsultant #BusinessPlan #lpgcylindermanufacturing
#LPGGasCylinder #GasCylinder #LPG #fiberglass
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NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

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.

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- **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.

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 India along with its business prospects.....[Read more](#)



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*

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.

We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.

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

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 *Conti...*

- 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 & Hospitality 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

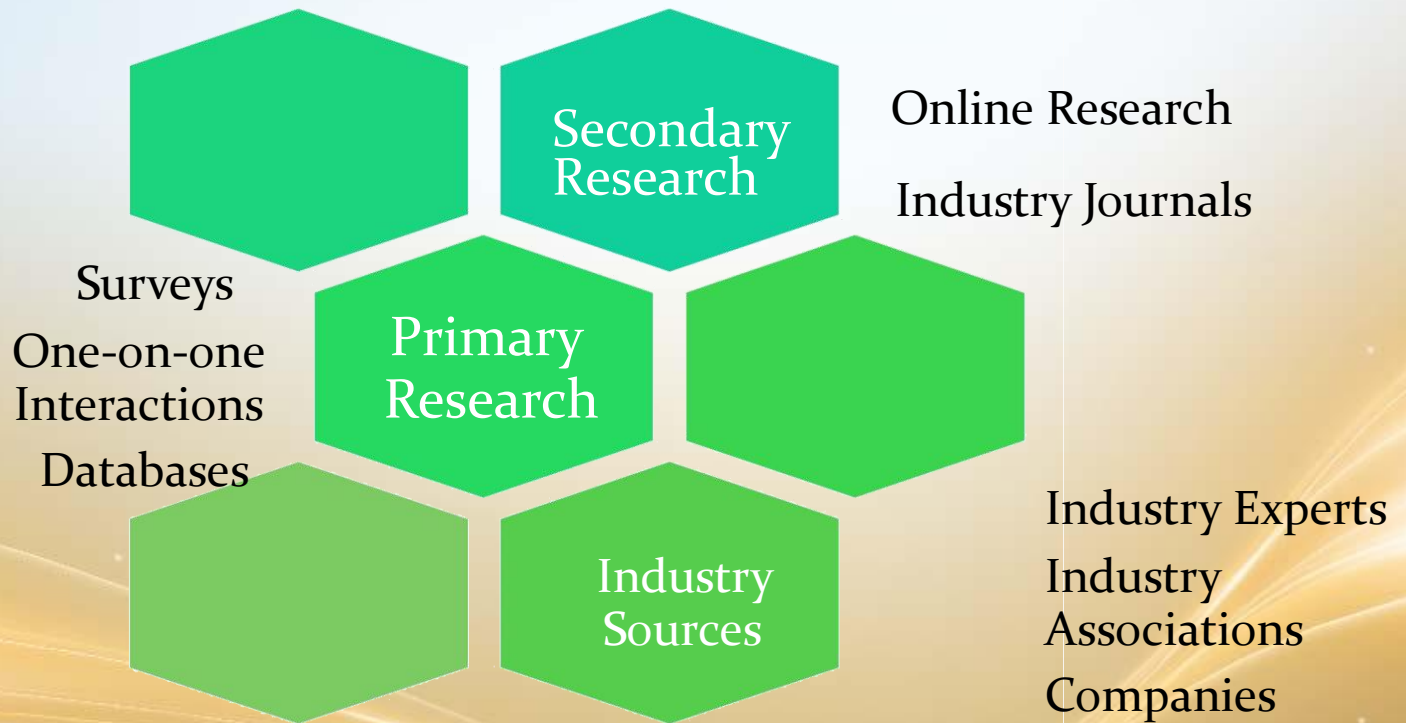
- ∞ To provide forecasts of key parameters which helps to anticipate the industry performance
- ∞ To help chart growth trajectory of a business by detailing the factors that affect the industry growth
- ∞ To help an entrepreneur/manager in keeping abreast with the changes in the industry
- ∞ To evaluate 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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THANK YOU

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