

Investment Opportunities and Strategies in Startup of

Oxygen Gas Plant

High Demand of Oxygen in Market, Due to Covid-19 Pandemic.



Introduction

Oxygen is a chemical element with the atomic number 8 and the symbol O. It is a highly reactive nonmetal and an oxidizing agent that rapidly produces oxides with most elements and other compounds. It belongs to the chalcogen group in the periodic table. By mass, oxygen is the third most plentiful element in the universe, behind hydrogen and helium. Oxygen is essential for respiration, the energy-producing process that drives most living things' metabolisms.

To stay alive, humans, like many other species, require oxygen in the air we breathe. Plants and a variety of microorganisms produce oxygen during photosynthesis. Medical oxygen is produced with great purity, and the oxygen system used to produce it is built to the highest quality requirements. In the air separation, medical oxygen is distilled until it fulfils medical criteria. Ambulances, surgery, and intensive care units all need medical grade oxygen.

It is mandatory to have adequate drug licences and follow standard operating processes while producing medical oxygen, which is also listed as a drug on the WHO list of essential medicines. In order to generate medicinal oxygen, it is also important to adhere to Indian Pharmacopeia guidelines.



Benefits of Medical Oxygen Gas

Medical oxygen is essential in the healthcare business for a variety of reasons. The following are some of the most common applications for medical grade O₂.

- 1.To cure a respiratory problem**
- 2.Provides artificially ventilated patients with life support.**
- 3.To help a critically ill patient maintain a stable heartbeat**

In the treatment of hypoxemia, oxygen therapy is the most widely employed strategy. Patients with non-communicable disorders including asthma and heart failure, as well as during pandemic disease epidemics, benefit from oxygen therapy. The World Health Organization (WHO) has placed oxygen on its Model List of Essential Medicines (EML) and List of Essential Medicines for Children because of its life-saving characteristics (EMLc).



Market Outlook

In value terms, the global medical oxygen market was valued at USD4572.39 million in 2020, and it is expected to increase at a CAGR of 7.02 percent to USD6712.32 million by 2026.

The rising frequency of respiratory illnesses among the population is driving the global medical oxygen market. Furthermore, significant elderly population rise is expected to boost market growth during the predicted period.

Furthermore, the growing demand for home healthcare facilities is likely to boost the market's growth in the coming years. The market is projected to be restrained by increased knowledge and adoption of alternative products such as oxygen concentrators. Technological improvements are allowing the introduction of unique oxygen supply items, which will act as a restraint on the oxygen gas industry.



Rising Demand of Oxygen Gas in COVID-19 Pandemic

The world has been hammered severely by the second wave of coronavirus infections. The new surge in COVID-19 cases has increased demand for medical oxygen, a vital commodity in treating the respiratory condition, putting significant strain on the nation's medical infrastructure. Over the last six months, the demand for oxygen in hospitals has reportedly increased by 600-800 percent.



From treating heart failure and pneumonia to asthma and COVID-19, oxygen therapy has the potential to save millions of lives. Covid-19 has had a favourable impact on the worldwide medical gas oxygen market's growth. The increased number of COVID-19 cases has fundamentally driven the demand for medical oxygen gas for intensive care during the Covid-19 pandemic.

Because of the rising number of COVID-19 patients, the demand for oxygen has increased to 1.1 million cylinders in low to middle income nations alone. Preventive steps are being taken in a number of nations to ensure a sufficient supply of oxygen for COVID-19 patients.

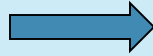


Major Players

- 1. Air Liquide India Holding Pvt. Ltd.**
- 2. Arrow Oxygen Ltd.**
- 3. Bellary Oxygen Co. Pvt. Ltd.**
- 4. Bhagawati Oxygen Ltd.**
- 5. Bhilai Oxygen Ltd.**
- 6. Govind Poy Oxygen Ltd.**
- 7. Howrah Gases Ltd.**
- 8. Linde India Ltd.**

Machinery Photographs

**Air
Compressor**



Moisture Separator



The background of the slide features a blurred image of industrial machinery, including a large vertical cylindrical tank and various pipes and valves, suggesting a manufacturing or processing environment.

Project at a Glance

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	60.00	60.00	Capital	0.00	103.90	103.90
Buildings	0.00	82.20	82.20	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	178.00	178.00	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	41.10	41.10	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	15.00	15.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	311.70	311.70
Preliminary & Pre-operative Exp	0.00	2.00	2.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	16.80	16.80	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	12.50	12.50				
TOTAL	0.00	415.60	415.60	TOTAL	0.00	415.60	415.60

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	2.57	6.81	12.57	24.00	0.00	100.00	2.57	0.00	2.57	1.00	0.00
2-3	4.89	8.57	17.45	18.00	0.00	100.00	4.89	0.00	4.89	1.00	0.00
3-4	7.15	10.35	24.60	12.00	0.00	100.00	7.15	0.00	7.15	1.00	0.00
4-5	9.33	12.12	33.93	6.00	0.00	100.00	9.33	0.00	9.33	1.00	0.00
5-6	11.40	13.84	45.33	0.00	0.00	100.00	11.40	0.00	11.40	1.00	0.00

Year	D. S. C. R.			Debt / - Deposit s Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulati ve	Overall					GPM	PBT	PAT	Net Contrib ution	P/V Ratio		
	(Number of times)			(Number of times)		%	%	%	%	%	%			
Initial				3.00	3.00									
1-2	1.09	1.09		1.91	1.91	2.06		29.63%	9.99%	8.61%	307.80	99.42 %	0.80	0.49
2-3	1.31	1.20		1.03	1.03	1.15		36.34%	20.36%	14.05%	359.10	99.42 %	0.95	0.83
3-4	1.57	1.32	1.57	0.49	0.49	0.58		40.88%	27.58%	18.00%	410.40	99.42 %	1.05	1.35
4-5	1.88	1.44		0.18	0.18	0.25		43.95%	32.68%	20.87%	461.70	99.42 %	1.07	2.06
5-6	2.23	1.57		0.00	0.00	0.06		46.00%	36.28%	22.96%	513.00	99.42 %	1.05	9.18

BEP**BEP - Maximum Utilisation Year****5****Cash BEP (% of Installed Capacity)****58.58%****Total BEP (% of Installed Capacity)****63.51%****IRR, PAYBACK and FACR****Internal Rate of Return .. (In %age)****14.46%****Payback Period of the Project is (In Years)****3 Years 2 Months****Fixed Assets Coverage Ratio (No. of times)****2.172**

Major Queries/Questions Answered in the Report?

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

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

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Oxygen Gas Plant Manufacturing plant ?

10. What are the requirements of raw material for setting up Oxygen Gas Plant Manufacturing plant ?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Oxygen Gas Plant Manufacturing Business?

12. What is the Manufacturing Process of Oxygen Gas Plant?

13. What is the total size of land required for setting up Oxygen Gas Plant Manufacturing plant ?

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The background of the slide features a blurred image of two large, vertical, cylindrical industrial tanks or storage vessels. They are light-colored, possibly stainless steel, and have various pipes, valves, and gauges attached to them. The tanks are positioned side-by-side, with the one on the right being slightly more prominent.

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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 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 Oxygen Gas Plant.” provides an insight into Oxygen Gas Plant market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Oxygen Gas Plant project. The report assesses the market sizing and growth of the Indian Oxygen Gas 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 Oxygen Gas Plant sector in India along with its business prospects. Through this report we have identified Oxygen Gas Plant project as a lucrative investment avenue.

Tags

#Detailedprojectreport #Businessconsultant
#Businessplan #Feasibilityreport #NPCS
#Entrepreneurindia #Startupbusiness
#Projectreport #Startup
#Projectconsultancy #Businessopportunity
#OxygenGasPlant #OxygenDemand
#MedicalOxygen #OxygenMarket
#MedicalGases #MedicalGasMarket

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The background of the slide is a photograph of a business meeting. Several people are seated around a long, dark conference table in a bright, modern office setting. One person in the foreground is using a laptop. The scene is slightly blurred, emphasizing the text overlay.

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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.

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.

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](#)



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- 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 *Cont...*

- ❖ **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**

- ❖ **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**

- ❖ **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**

- ❖ **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.**

- ❖ **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.**

- ❖ **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**

- ❖ **Township & Residential Complex**
- ❖ **Textiles And Readymade Garments**
- ❖ **Waste Management & Recycling**
- ❖ **Wood & Wood Products**
- ❖ **Water Industry(Packaged Drinking Water & Mineral Water)**
- ❖ **Wire & Cable**

Market Research Report

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

- 5. Key Financials and Analysis**
 - 5.1 Contact Information**
 - 5.2 Key Financials**
 - 5.3 Financial comparison**
- 6. Industry Size & Outlook**



Contact us

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[google-street-view](https://www.google.com/maps/@28.628941,77.030151,15z)

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A decorative illustration of a brown vine with several leaves, extending from the top left corner towards the center of the slide.

Thank You!

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