

India Oxygen Cylinders Market Report and Forecast 2025-2034

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Report description:

The India oxygen cylinders market was valued at USD 438.52 Million in 2024 driven by the increasing investments in oxygen production facilities and rising demand for medical grade oxygen across healthcare and industrial sectors across the region. It is expected to grow at a CAGR of 6.80% during the forecast period of 2025-2034 and attain a market value of USD 846.65 Million by 2034.

India Oxygen Cylinders Market Overview

Oxygen cylinders are essential for medical and industrial applications, providing life-saving respiratory support and critical gas supply. In India, rising pollution, smoking habits, and an aging population are increasing respiratory diseases like COPD and asthma, driving oxygen cylinder demand. Advancements in cylinder manufacturing, including lightweight materials and digital monitoring, are improving efficiency and portability. Government initiatives and private investments in oxygen production plants are strengthening supply chains. With continuous technological advancements and healthcare infrastructure expansion, the market is poised for steady growth in the forecast period.

India Oxygen Cylinders Market Growth Drivers

Rising Prevalence of Respiratory Diseases to Boost Market Demand

In India, rapid urbanization, rising pollution levels, and unhealthy lifestyles are contributing to a surge in respiratory diseases like COPD, asthma, and pneumonia. Increased smoking habits, prolonged exposure to vehicular emissions, and indoor air pollution from biomass fuel usage are worsening lung health. Additionally, the aging population is getting increasingly dependent on oxygen support. The growing burden of respiratory illnesses is significantly driving demand for oxygen cylinders in hospitals and home care settings, positioning the market for growth in the coming years.

India Oxygen Cylinders Market Trends

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Several trends and developments are being observed in the market to enhance the current situation. Some of the noteworthy trends are as follows:

Innovation in Medical Logistics to Enhance Market Growth

Hospitals and emergency centers are constantly seeking faster and safer ways to transport critical medical supplies, ensuring patients receive timely care during emergencies. For instance, in February 2024, the National Institute of Technology (NIT) Hamirpur, secured a patent for its oxygen cylinder trolley, designed for efficient medical emergency transport. Developed with district administration support, it aimed to streamline oxygen cylinder movement in hospitals during the COVID-19 pandemic. The motorized trolley featured cost-effectiveness, speed control, and user-friendly operation. The innovation highlighted the role of educational institutions in healthcare advancements, improving emergency logistics and strengthening medical infrastructure for critical situations. Such inventions are enhancing the efficiency of medical logistics and reducing delays in emergencies. In addition, educational institutions and technology firms are continuously collaborating to develop more such innovations, strengthening the healthcare infrastructure and ensuring rapid emergency response in the forecast period.

Expansion of Oxygen Plants to Boost India Oxygen Cylinders Market Size

India is continuously strengthening its healthcare resilience by expanding oxygen production facilities and ensuring uninterrupted supply during medical emergencies and critical care situations. For instance, in September 2024, the Chief Minister of the north-eastern state called Arunachal Pradesh inaugurated a Liquid Medical Oxygen (LMO) Plant with an oxygen refilling facility, an ICU, and an emergency care centre. The plant, with a 10,000-litre capacity and the ability to refill 40 cylinders at a time, was installed at Ramakrishna Mission Hospital, Itanagar. The state government also established similar plants in seven strategic locations to enhance healthcare infrastructure.

Increased Investments to Elevate the India Oxygen Cylinders Market Value

In July 2024, Air Liquide India invested INR 350 crore to establish a state-of-the-art air separation unit in Uttar Pradesh. This facility was designed to support both healthcare and industrial sectors, with a daily production capacity exceeding 300 tonnes of liquid oxygen and medical oxygen, along with approximately 45 tonnes of liquid nitrogen and 12 tonnes of liquid argon. Additionally, Air Liquide aimed to operate the plant entirely on renewable energy by 2030, reinforcing its commitment to sustainable practices. As industrial and healthcare facilities continue to expand, such investments are ensuring a steady supply of oxygen, positioning the market for robust growth in the forecast period.

Advancements in Cylinder Manufacturing to Meet Rising India Oxygen Cylinders Market Demand

Manufacturers in India are increasingly focusing on enhancing the design, durability, and safety features of oxygen cylinders to meet the growing demand across healthcare and industrial sectors. Companies are integrating lightweight materials, improved pressure control mechanisms, and digital monitoring systems to enhance efficiency and portability. With the rising emphasis on patient safety and regulatory compliance, these advancements are improving reliability in medical emergencies. As technological innovations continue, the market is witnessing a shift towards high-performance, cost-effective oxygen cylinders, driving market expansion in the forecast period.

India Oxygen Cylinders Market Segmentation

The market report offers a detailed analysis of the market based on the following segments:

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Market Breakup by Product Type

- Fixed
- Portable

Market Breakup by Product Size

- Less than 10 liter
- 10 liter - 50 liter
- More than 50 liter

Market Breakup by Technology

- Continuous Flow
- Pulse Flow

Market Breakup by Application

- Respiratory Department
- Emergency Room
- Household
- Operating Room
- Others

Market Breakup by End User

- Hospitals and Clinics
- Ambulatory Surgical Centers
- Long term Care Centers
- Others

India Oxygen Cylinders Market Share

Segmentation Based on the Application to Witness Significant Market Growth

Based on the application, the market is divided into respiratory department, emergency room, household, operating room, and others. Among these, the respiratory department is expected to dominate the market due to the rising prevalence of respiratory conditions such as asthma and pneumonia, exacerbated by factors like increased smoking, vehicular emissions, and indoor air pollution from biomass fuels. The aging population is another factor influencing the market share of this segment, along with lingering post-COVID-19 complications that heighten the need for oxygen support. As healthcare systems increasingly focus on managing chronic respiratory diseases and providing accessible homecare solutions, the demand for oxygen cylinders in hospitals and households is set to surge.

India Oxygen Cylinders Market Analysis by Region

Based on the region, the market is divided into North India, South India, East India, and West India. Among these, West India is expected to dominate the market due to the high industrial activities in this region. With consistent demand for oxygen cylinders

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from sectors like manufacturing and healthcare, this region will likely lead in the forecast period. Infrastructure development and the expansion of healthcare facilities in West India will further boost the market value.

Leading Players in the India Oxygen Cylinders Market

The key features of the market report include patent analysis, funding and investment analysis, and strategic initiatives by the leading players. The major companies are:

Rama Cylinders Pvt. Ltd

Established in 2004, Rama Cylinders Pvt. Ltd. is headquartered in Mumbai, India. The company specializes in manufacturing high-pressure seamless gas cylinders, including medical oxygen cylinders, catering to industrial and healthcare needs. Rama Cylinders has developed advanced cylinder solutions to ensure efficient storage and transport of oxygen, particularly during medical emergencies. With state-of-the-art manufacturing facilities, the company provides reliable and high-quality oxygen cylinders, supporting hospitals and homecare settings in maintaining a steady oxygen supply.

Everest Kanto Cylinder

Founded in 1978, Everest Kanto Cylinder Ltd. (EKC) is headquartered in Mumbai, India. The company is a leading manufacturer of high-pressure gas cylinders, including medical oxygen cylinders. EKC has launched a range of lightweight and durable oxygen cylinders to cater to hospitals, ambulances, and homecare needs. EKC continues to innovate in gas storage technology for enhanced safety and efficiency.

Shaba Cylinders

Shaba Cylinders Pvt. Ltd., established in 1999, is based in Madhya Pradesh, India. The company is known for producing high-quality gas cylinders, including medical oxygen cylinders, for healthcare and industrial applications. Shaba Cylinders has introduced advanced oxygen storage solutions, ensuring high safety standards and reliability in oxygen supply.

BGL Cylinders Industries

BGL Cylinders Industries, headquartered in Ujjain, India, has been a key player in the manufacturing of high-pressure gas cylinders for several years. The company specializes in producing medical oxygen cylinders, designed for efficient and safe oxygen storage and distribution. BGL Cylinders has introduced durable and corrosion-resistant oxygen cylinders to meet the growing healthcare demand.

Other companies include Luxfer Gas Cylinders, and Al-can Exports Private Limited.

Key Questions Answered in the India Oxygen Cylinders Market

- What was the India oxygen cylinders market value in 2024?
- What is the India oxygen cylinders market forecast outlook for 2025-2034?
- What are the regional markets covered in the EMR report?
- What is the market segmentation based on the product type?
- What is the market breakup based on the product size?
- What is the market segmentation based on application?
- What is the market segmentation based on the end user?

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- What are the major factors aiding the India oxygen cylinders market demand?
- What are the market's major drivers, opportunities, and restraints?
- Which regional market is expected to lead the market share in the forecast period?
- Which country is expected to experience expedited growth during the forecast period?
- What are the major India oxygen cylinders market trends?
- How does the rise in the geriatric population impact the market size?
- Who are the key players involved in the India oxygen cylinders market?
- What are the current unmet needs and challenges in the market?
- How are partnerships, collaborations, mergers, and acquisitions among the key market players shaping the market dynamics?

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