

# India Hydrogen Market Growth, Application, and Geography | Linde India Limited, INOX Air Products and Gujarat Alkalies

*Hydrogen is an essential industrial chemical used in a variety of applications is projected to reach \$81 million by 2025, growing at a CAGR of 6.3% by 2025.*

PORTLAND, OREGON, UNITED STATES, October 8, 2021 /EINPresswire.com/ -- The [India hydrogen market](https://www.alliedmarketresearch.com/india-hydrogen-market) was valued at \$50 million in 2017, and is projected to reach \$81 million by 2025, growing at a CAGR of 6.3% from 2018 to 2025.



Hydrogen is an essential industrial chemical used in a variety of applications. Its major end use is in the petroleum refining industry to refine crude oil. With the growth in concern of climate change and global warming, hydrogen is the fuel of the future. As India is in the process of becoming a developed country, the need for cleaner fuel to produce power is projected to increase. The hydrogen fuel cell provides a greater solution to meet this growth in demand for power.

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According to a new report published by Allied Market Research, titled, India Hydrogen Market by Delivery Mode, Technology, and End User: Global Opportunity Analysis and Industry Forecast, 2018-2025, the India hydrogen market was valued at \$50 million in 2017, and is projected to reach \$81 million by 2025, growing at a CAGR of 6.3% from 2018 to 2025. The captive segment accounted for more than 83% share of the India hydrogen market in terms of value in 2017.

Hydrogen is a non-toxic, highly combustible diatomic gas, which has been used as a fuel since several decades. The demand for hydrogen in India has been increasing significantly, owing to a surge in the need for hydrogen in the petroleum refining processes, metal processing, and others. In addition, rise in the use of hydrogen in power generation and implementation of stringent environmental regulations towards a cleaner form of energy are the key factors

contributing to the growth of the India hydrogen market. However, high transportation cost and stagnant prices act as the major restraints of the market. On the contrary, the India hydrogen market is yet to explore its full potential. The use of liquid organic hydrogen carrier (LOHC) technologies for storage and transportation of hydrogen is anticipated to provide lucrative opportunities for the growth of the market.

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The report segments the India hydrogen market based on delivery mode, technology, end user, and region. By delivery mode, the market is divided into captive and merchant. The merchant delivery model is estimated to grow at the highest CAGR of 7.1% during the forecast period. As per the consumption, the captive delivery model generated a revenue of \$44 million in 2017 and is expected to reach \$67 million by 2025.

The steam methane reforming segment is a significant contributor to the market and is projected to occupy two-sevenths of the market share by 2025. Based on end user, the market is fragmented into chemical, petroleum refining, metal processing, glass industry, edible fats & oils, energy, and others. By production, the chemical industry occupied more than half of the share of the India hydrogen market. Region-wise, the market is analyzed across North India, South India, Western India, and East India.

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Key Findings of the India Hydrogen Market:

The energy segment is projected to grow at a CAGR of 8.4%, in terms of value, during the forecast period.

The methanol reforming segment is expected to grow at the highest CAGR of 8.6%, in terms of value, throughout the forecast period.

The chemical segment accounted for more than half of the share of the India hydrogen market in terms of volume in 2017.

The north India segment is projected to grow at a CAGR of 6.9%, in terms of value, from 2018 to 2025.

The key players operating in the market include Praxair India Private Limited, Linde India Limited, INOX Air Products, Bhuruka Gases Limited, Air Liquide India, and Aditya Birla Chemicals (India) Ltd. The other prominent players include Gujarat Alkalies And Chemicals Limited, DCW Limited (DCW), TATA Chemicals Limited, and GHCL Ltd.

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