

List of Industrial, Medical and Specialty Gases Manufacturing Project Ideas.

Description:

List of Industrial, Medical and Specialty Gases Manufacturing Project Ideas. Oxygen, Hydrogen, Nitrogen, Heptafluoropropane, Acetylene Gas Plant.

Industrial Gases Market in India to Cross \$ 2.2 Billion by 2021.

Industrial gases are produced or refined in large quantities for use in basic materials, chemical and petrochemical industries. Industrial gases encompass a large number of products that are gaseous at room temperature and pressure, and while they may actually be stored as a liquid or solid, they are commonly used in gaseous form. From a more scientific perspective, a gas is a state of matter without a prescribed shape or volume. Gases have unique Industrial gases properties and characteristics depending upon such variables as the temperature, pressure, and volume to which they are subjected. Gases have low densities, assume the volume of their containment (or dissipate to the atmosphere), mix well with other gases, and are more compressible than solids and liquids.

Industrial gases are comprised of elements, molecular compounds, or mixtures. The most common industrial gases are oxygen, hydrogen, nitrogen, carbon dioxide, and noble gases such as argon, neon, xenon, and krypton. Some industrial gases such as nitrogen, oxygen, argon, LNG, and liquefied petroleum gas are liquefied at high pressure for ease of storage and transport. At even lower temperatures these liquids can turn to a solid. Dry ice, a solid form of carbon dioxide, is a common example of a normally gaseous material (at ambient conditions) that has useful properties as a solid. Much of the carbon dioxide will sublime; meaning it will move directly to the gaseous phase from the solid phase without becoming a liquid. Finally, some industrial gases, such as hydrogen, are highly volatile and need special handling and storage to ensure safe usage.

The industrial gases market in India is divided into three segments, such as tonnage gases, packaged gases and cylinder gases. These are three different distribution modes through which industrial gases are supplied to the required customer.

India's market for tonnage plants as well as merchant or small sized plants is witnessing growth as a result of growth in industrial as well as commercial market. The commercial market is influenced by growth in light engineering industry as well as metal fabrication industry, being clustered in northern and western regions of the country. Similarly, industrial gases market is influenced by growth in steel and refineries sector, being concentrated in eastern and southern part of the country. This is further expected to drive demand for tonnage plants, positively impacting overall industrial gases market in India. Apart from this, capacity addition in refineries are driving demand for nitrogen gases, which are solely used to improve efficiency in refineries for processing of crude oil as well as pressure and purging applications.

Keywords: Industrial Gas Production, Industrial Gases Processing, Projects on Industrial Gases Production, Industrial Gas Business, Production of Industrial Gases, Oxygen & Hydrogen Gas Manufacturing, Industrial Gases Industry, Industrial Gases Plant, Start an Industrial Gas Plant, Oxygen and Nitrogen Gas Plant, Industrial Gases Manufacture, Opportunities in Industrial Gas Manufacturing Industry, Industrial Gas Manufacturing Unit, Oxygen Plant Manufacturing and Setup Cost in India, Oxygen Manufacturing PI

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