

India Fire Protection Systems Market By Product (Fire Detection System {Fire Detectors, Fire Alarm System, Others}, Fire Sprinkler System, Fire Suppression, Fire Response, Fire Analysis), By Type (Active Fire Protection Systems, Passive Fire Protection Systems), By Application (Industrial, Commercial, Residential), By Service (Installation, Engineering and Design Services, Maintenance Services, Managed Services, Others), By Region, Competition, Forecast & Opportunities, 2018-2031

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Abstracts

India Fire Protection Systems market stood at USD 1.45 billion in 2022 and is forecast to register a CAGR of 10.91% by 2031 and is expected to be fueled by factors such as the rising number of fire fatalities, property loss, and public safety concerns across the country during fire incidents. Moreover, the expansion of the business sector and an increase in spending on building construction have a significant impact on market development. However, the growth of the Indian fire prevention systems market is hampered by fluctuating raw material prices.

Fire protection systems are certified products that are developed according to the standards specified by government authorities and regulatory bodies to curb fire outbreaks. These products are used for detecting and extinguishing fires. Such systems consist of flame detectors and smoke control devices, among other equipment that aids fire emergencies. Alarm valves and sprinkler systems are some of the widely used fire protection systems.

Increased Concern for Employee Safety:

Employees are considered to be an asset to any organization. Maintaining their safety and security is one of the most important concerns in the commercial and industrial sectors; as a result, equipment that can prevent life threats and dangerous hazards must be installed in industries. This can boost employee welfare, morale, and productivity since it adds to the safety of workers and helps them to focus on work with more concentration. When a fire breaks out in a commercial setting, the employees are most susceptible to getting harmed by it. Hence, it is the primary duty of the organization to provide safety measures to protect the safety of employees. This can also enhance the values and social image of an organization when it has installed modern equipment to counter fire-related hazards.

Nowadays, due to the strict regulations and imposition of rules by the government, the standards of employee safety have increased in the past few years. The fatality rate of employees in the workplace has been decreasing due to the adoption of modern safety tools and techniques. Due to the huge threat and damages caused by fire, the installation of fire protection systems in industries and working areas is a must. It includes heat and flame sensors, smoke detectors, emergency alarms, and various kinds of fire suppressors such as fire extinguishers, fire pumps, dry compressors, and fire hydrants. Thus, the increasing awareness and concern toward employee welfare and safety, the government's role in improving the standards of life, and preventing the adverse effects of fire hazards have paved the way for the importance and growth of fire protection systems in the market.

Increasing Importance of Code Compliance:

To reduce the effects and damages caused by fire, the code of compliance for fire is a basic necessity. Code of compliance is the process of assuring compliance with all the codes, laws, regulations, and ordinances. Hence, the code of compliance for fire is the basic need to prevent damages caused by fire. This can increase the number of fire inspections and lead to higher standards of safety and security. A fire inspection can be performed by either qualified building inspectors or third-party agencies. Thus, to prevail in fire code compliance, installing fire protection systems in buildings is mandatory. Fire protection systems are the safest and most effective method for safeguarding citizens and residents from a fire. Hence, the demand for fire protection systems is likely to grow during the forecast period all across the country.

Technological Advancements to Ensure Safety & Security:

Safety and security are the major concerns in the residential and commercial sectors that have led to an increase in the deployment of systems such as voice-activated devices, video intercom systems, and smart outlets in homes. This factor is a substantial contributor to the growth of the India fire protection systems market. In addition, intense competition has been witnessed between start-ups and large corporations, owing to the profitability of fire protection systems.

Surge in Residential & Non-residential Construction Activities:

The fire protection systems market growth is highly dependent on residential and commercial construction investments. The demand for the construction of residential buildings and commercial complexes is on the rise, owing to new product launches, etc. In addition, in the past few years, the government has formulated initiatives to design, build, and operate structures following the green building concept in which the total energy utilized by the building annually is approximately equal to the renewable energy generated on-site. The development of the residential and commercial construction sector has positively impacted the market growth and is expected to further fuel the demand for fire protection systems.

Fire Protection 4.0:

The Government of India has established a framework for fire protection 4.0, which denotes the fourth evolution in the fire protection system, with an aim to transform the industrial sector in the nation. The policy intends to integrate automation and cutting-edge technologies into the country's existing industrial infrastructure as well as its prospective industrial expansion. The way fire prevention systems function or may function is drastically altering as a result of the internet and artificial intelligence (AI). The plan uses robotics, artificial intelligence, and digitization to promote steady growth in the industrial sector. Owing to the numerous heat-emitting processes and the existence of dangerous materials, fire detection systems play a significant role in industrial setups. Hence fire protection 4.0 is projected to drive the India fire protection systems market.

Smart City Adoption by the India Cities:

Indian government defines smart cities where there is the use of digital technologies to improve urban setups by providing citizens with social, environmental, and economic

benefits. In India, smart city projects are being implemented at the city level with digital transformation in various major cities. To name a few, Indore, Pune, Ahmedabad, Bangalore, Hyderabad, and Kolkata are the cities transitioning into smart urban setups by adopting the Internet of Things (IoT) and undergoing technological integration. The smart city projects being implemented in India envision objectives such as improved efficiency of buildings and infrastructure in terms of safety and sustainability, synchronization of data at the city level, and reduced carbon footprint by improving energy efficiency. The smart city projects are further backed by the government's investment in digital technologies. For instance, in November 2022, India had about 825.4 million broadband subscribers, of which 793.5 million were wireless broadband users and the rest wireline. Fire detection systems form an integral part of the buildings and other infrastructure due to their life-saving property. Thus, the trend toward becoming smart cities in India is likely to boost demand for technologically integrated fire detection systems to render the cities safe.

Rapid Urbanization:

As per World Bank estimates, India's urban population is expected to grow to 604 million by 2030, while the rural population is expected to shrink marginally. As per estimates, India will need 62 million houses in urban cities (including the current shortage of 29 million houses) to meet the requirement of its growing population. In 2020, rural areas housed 65% of India's population, which is anticipated to drop rapidly by 2030. Rapid growth in metros, airports, and other infrastructure projects is expected to generate huge demand for fire protection systems. Thus, the trend of urbanization is expected to continue to drive the demand for fire protection systems in urban India.

The Net Zero Carbon Commitment:

With over 35.9% of the total population residing in urban centers as of 2022, the country has witnessed a steep rate of urbanization over the past 20 years. However, growing urbanization coupled with climate change concerns has forced the government to transform the way the existing cities operate. The key objectives of such efforts involve improving the energy performance of the city's infrastructure and reducing the country's carbon footprint. One such key initiative is the 'Net Zero Carbon Commitment' led by the Government of India, which forms a framework for reducing carbon emissions from the building infrastructure and the building operations of the cities across India. The initiative aims at net zero emissions from the buildings and their operations by 2070 and involves transitioning both new buildings and the existing infrastructure. Moreover, the government has committed to reducing the total projected carbon emission by one

billion tonnes and reducing the carbon intensity of the economy to less than 45% by 2030. The Net Zero Carbon Commitment aligns with the Paris Climate Agreement. The requisite transitioning of the cities in India to achieve Net Zero Carbon is likely to boost demand for integrated safety facilities such as fire protection systems.

Market Segmentation

India Fire Protection Systems market can be segmented into product, fire detection system type, type, application, service, and region. Based on product, the market is segmented into fire detection systems, fire sprinkler systems, fire suppression, fire response, and fire analysis. Based on fire detection system type, the market is further segmented into fire detectors, fire alarm systems, and others. Based on type, the market is further split into active fire protection systems and passive fire protection systems. Based on application, the market is further segmented into industrial, commercial, and residential. Based on service, the market is further split into installation, engineering, and design services, maintenance services, managed services, and others. Based on region, the market is further segmented into south, north, west, and east.

Company Profiles

Safex Fire Services Ltd., Ceasefire Industries Pvt. Ltd, NewAge Fire Protection Industries Private Limited, Vimal Fire Controls Pvt. Ltd, Gunnebo India Private Ltd., Smith & Sharks Projects (India) Pvt. Ltd., Pro Delta Fire Safety Systems Private Limited, Monsher Fire Protection Systems Pvt. Ltd., ABC Fire India, and Vintex Safety Solutions Limited.

Report Scope:

In this report, India Fire Protection Systems market has been segmented into the following categories in addition to the industry trends, which have also been listed below:

India Fire Protection Systems Market, By Product:

Fire Detection System

Fire Detectors

Fire Alarm System

Others

Fire Sprinkler System

Fire Suppression

Fire Response

Fire Analysis

India Fire Protection Systems Market, By Type:

Active Fire Protection Systems

Passive Fire Protection Systems

India Fire Protection Systems Market, By Application:

Industrial

Commercial

Residential

India Fire Protection Systems Market, By Service:

Installation

Engineering and Design Services

Maintenance Services

Managed Services

Others

India Fire Protection Systems Market, By Region:

South

North

West

East

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in India Fire Protection Systems market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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