



The FSS Post

THE FIRE SAFETY & SECURITY POST

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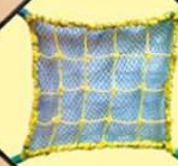


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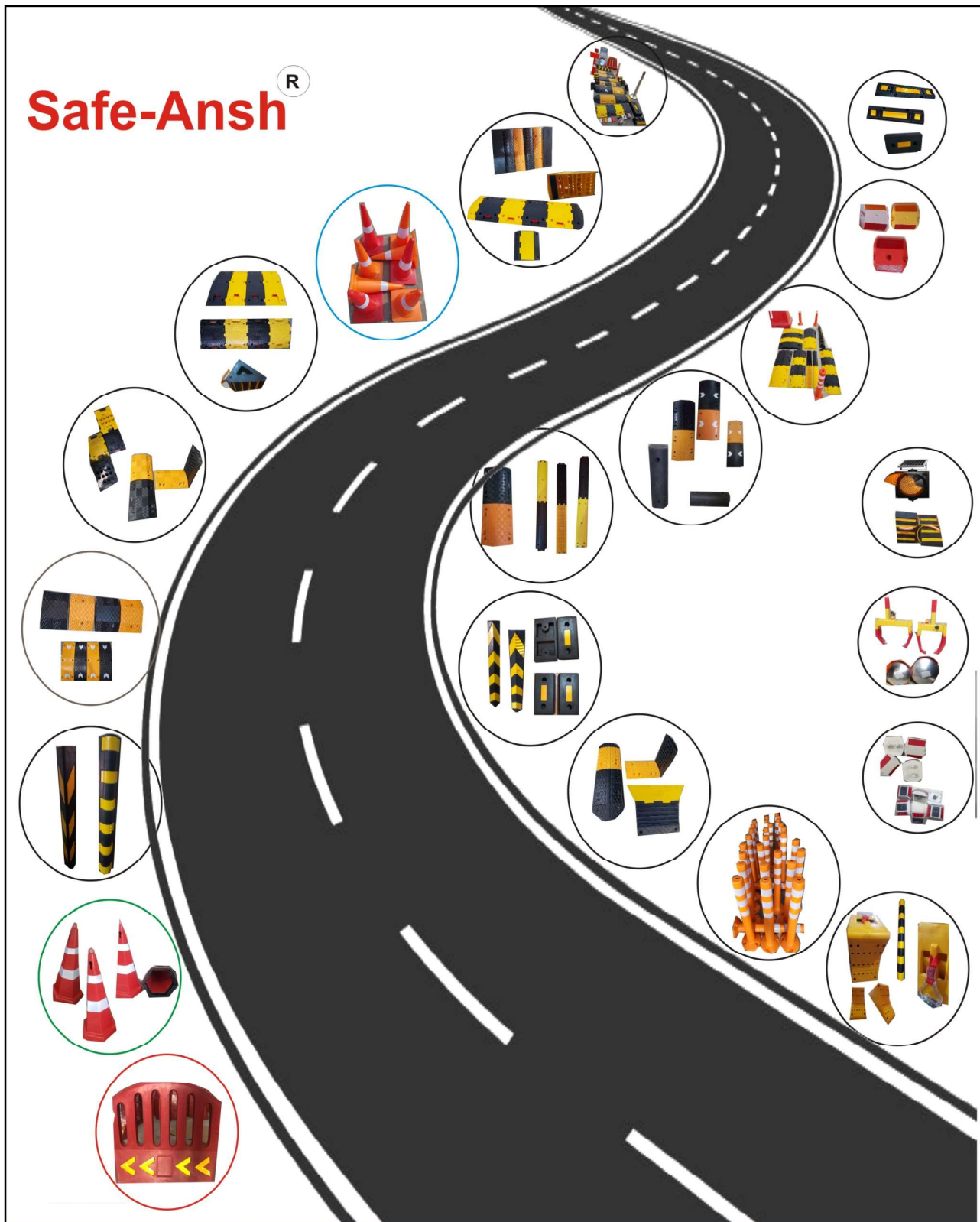


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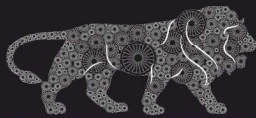
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Patent No. 335348-001

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Patent No. 364963-001

Oil & Gas Industries

Smart Gas Transmitter (3 wire)
GT-2511-FLP (SIL2 Approved)



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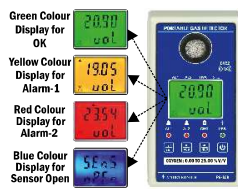
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FLD-3311-FLP



Patent No. 364963-001

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Smart Gas Detector-Dual Channel
GT-5022-FLP



Patent No. 343391-001

Heat Treatment Plant

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HTD-8800-FLP



Battery Room

Smart Multi Gas Detector
GT-6022-FLP



Patent No. 343391-001

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MESSAGE *from* GUEST EDITOR



Dear Industry Friends,

Greetings !!!

As we turn the page on another financial year, fire safety stands at a critical intersection—where tradition meets innovation, and prevention must move faster than ever before. I'm honoured to serve as guest editor for this issue of *"The FSS Post"*, and to contribute to a conversation that continues to evolve with the times.

The foundations of fire protection—education, engineering, and enforcement—remain as relevant as ever. But today, we are being called to go beyond them. We are now in an era where lithium-ion battery fires challenge conventional suppression tactics, where wild land-urban interfaces blur the boundaries of responsibility, and where the climate itself has become a factor in fire risk planning.

This issue highlights the need for a new kind of readiness. One that's data-driven, cross-disciplinary, and above all, proactive. From innovations in AI-driven detection systems to the integration of fire-resistant materials in green architecture, the tools at our disposal are more advanced than ever before. Yet, as technology progresses, the human element—training, intuition, leadership—remains our most vital line of defence.

You'll hear from experts across the fire service, engineering, building codes, insurance, and public policy. Each voice adds a layer of insight into how we can foster a culture of safety that not only reacts to emergencies but prevents them altogether.

It's my hope that as you read this issue, you'll find inspiration, actionable ideas, and a renewed commitment to the mission we all share: saving lives and protecting communities.

Because in fire safety, every second counts—and every lesson, every innovation, and every conversation can make the difference.

Stay safe, stay sharp.

Ashish Shah

Director

Ambetronics Engineers Private Limited

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Director
Karemate Global Solutions



Ashish Parekh
Director
Fire Safety Devices



CURRENT UPDATES



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Over 40 Escape



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Leading To Emergency Landing



Punjab Sees Season's Biggest
Single-Day Jump Farm Fires in



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IN FOCUS



Mr. Bharat Parekh
Director
Fire Safety Devices Pvt. Ltd.

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Rendezvous with

BUSINESS LEADER

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Mr. Bharat Parekh
Director
Fire Safety Devices Pvt. Ltd.

“The seed of everything is a dream and when that becomes your passion you find out means & ways to fulfil it. We owe this to “Mr Parag Parekh” who was very passionate about chemistry and he incepted the idea of venturing in this business. His vision & passion has brought us here.”

Q: The journey of “Firechem” has been fascinating, which reflects your vision, hard work, methodical planning and perseverance. Now at this juncture how will you describe your journey?

Once The “Ratan Tata” in his said that “A dream is not what you see when you are sleeping, the dream is that doesn't let you sleep.”

The seed of everything is a dream and when that becomes your passion you find out means & ways to fulfil it. We owe this to “Mr Parag Parekh” who was very passionate about chemistry and he incepted the idea of venturing in this business. His vision & passion has brought us here.

I feel proud that we all have worked towards accomplishing his dream. Today “Firechem” is a “well known” brand not only in India but internationally also. Yes it feels good but we have long way to go.

Q: Can you apprise us about how Mr Parag Parekh incepted this idea and started a success story?

Mr Parag Parekh did a market research himself & comprehended that there was a grave requirement for the fire fighting chemical company in the north India. His passion for chemicals drew his attention for this opportunity. So the first “Dry Chemical Powder” was launched in 1995 by the name of “Freeze Fire” which was BIS certified (ISI Mark).

Quality speaks for itself and therefore it received thriving response from the market. That success led to another and we enriched our product portfolio gradually but we have always remain determined for the quality of the product. We have acquired all required certifications for our product range as a proof of our quality. That established a bond of trust with our buyers and today we are serving Indian market as well as exporting to other countries.

Q: When have you thought of exporting your products to other countries?

We have three Directors, Myself (Mr Bharat Parekh), Mr Dhiren Parekh & Ashish Parekh. In the year of 2006-2007 we all decided to start exporting “Firechem”.

As I said we are committed for the quality therefore “Firechem” was able to expand its horizon internationally. Today we are exporting to Gulf countries, Africa, South America and Asian countries. We are exporting to 45 countries.

Q: Any other recent expansion you have done?

Another vertical of business is added with “First Responders”, which is in the manufacturing of Fire Tenders. The sister concern was founded around five years back & growing with fast pace.

Q: Sir, you are a seasoned businessman would you like to give some advice to the young entrepreneurs on how to tackle bad weather in the business?

“Thomas Edison” is known for his great inventions in the history of mankind but he had seen thousands of failures. When he was asked about his failures he replied “I have not failed. I've just found 10,000 ways that won't work”. It is very famous.

We have to learn from it. If something is not working try to find out another method & take your failure as a learning. For that patience & perseverance is essential.

Q: What quality check measures do you take to ensure best quality product?

We are very cautious about the quality of our products. As you are aware that quality protects life and property.

To ensure the quality we have established a in house laboratory to check each batch that is produced. Moreover, our products are BIS, EN & UL compliant. These are the best standard codes which are available today. So the acquired certifications are itself is a statement to our quality.

Q: What growth do you expect for the fire industry in coming five years?

We expect fire business with 20-25% growth prospects in coming five years.

Q: If someone likes to be your channel partner, how is that possible & what is an eligibility criterion?

We welcome if someone likes to be our channel partner. One should have zeal to grow with us. One has to be target oriented to grow business. That is the only criterion.

Q: As a manufacturer what support will you render to establish your channel partner?

We can ensure best quality of products that will help him to develop his market with recurrent demand. We will provide proper training about our product range so that we can avail business prospects. Timely delivery is assured. Also our brand support will help him to fetch business.

A lot of brand promotion activities we do as mentioned. The channel partner will also reap the benefits of that as well. In less effort one may generate business & profits.

Q: Your message for the readers?

As stalwart of Indian business personality “Late Mr Dhirubhai Ambani” said “Dream big” but add the advice of the great “Ratan Tata's” statement in it. Once you dream don't let it sleep you. So eye on the objective you have set, work hard, don't failure hamper your determination, think for solutions & not for hindrances. Work with honesty and be humble.





AT DELHI AIRPORT A BUS PARKED METERS AWAY FROM AIR INDIA PLANE AT T3 CATCHES FIRE

New Delhi: Oct 2025, a bus stationed few meters away from "Air India" Plane caught fire at Terminal 3, Delhi Airport. The bus was vacant when incident took place.

"SATS" is third-party provider that handles ground services for many airlines whose bus was parked meters away from AI Plane caught fire near bay 32. There were no injuries/ casualties.

The Delhi International Airport Ltd (DIAL) which handles operation at IGI called it "Stray Incident" and informed that all operations continue to be normal. The bus was stationary at the time of incident.

DIAL posted on X that "safety of our passengers and staff remains paramount to us."

SATS is investigating the cause of fire as reported. The police said that the only driver was in the bus, it was not carrying any passenger or luggage & no casualties took place. Examination of

bus will be carried out to ascertain the cause of fire.

Delhi Airport has three terminals & four runways which can handle more than 100 million passengers yearly.

T3 was inaugurated in 2010 & can serve up to 40 million passenger annually.





"Punjab Sees Season's Biggest Single-Day Jump Farm Fires in single day numbers to 147"

Chandigarh: Oct 28, 2025: Highest single spike farm fires witnessed by Punjab to 147 and total number of incidents since September 15 to 890, official data showed.

Punjab Pollution Control Board (PPCB) data showed, as many farmers continued to disregard the state government's appeal to stop crop residue burning.

The number of farm fires in the state has jumped by 537 from October 20, when the figure stood at 353.

As per data the highest number of farm fires was reported from Tarn Taran at 249, followed by Amritsar at 169, Ferozepur at 87, Sangrur at 79, Patiala at 46, Gurdaspur at 41, Bathinda at 38 and Kapurthala at 35.

After the paddy crop is harvested in October and November Stubble burning in Punjab and Haryana is often blamed for the rise in air pollution in Delhi. As the time for sowing the Rabi crop -- wheat -- is very short after paddy harvest, some farmers set their

fields on fire to quickly clear the crop residue.

As per the PPCB, the total area under paddy cultivation in Punjab this year is 31.72 lakh hectares. Till October 26, 59.82 per cent of this area had been harvested.

Fines amounting to Rs 19.80 lakh have been imposed So far, as environmental compensation in 386 cases. Of the total, Rs 13.40 lakh has been collected, the data showed. 302 FIRs have been registered in connection with farm fire incidents under Section 223 (disobedience of order promulgated by public servant) of the Bharatiya Nyaya Sanhita, it said. State authorities have also marked 337 red entries in the land records of farmers who burnt crop residues.

A red entry bars farmers from getting loans against their farmland or selling it.



BUS CATCHES FIRE NEAR RANCHI

Over 40 Escape, Short Circuit Suspected

Ranchi: Oct 2025: A bus caught fire on the Ranchi-Lohardaga highway when the bus was heading to Chatra from the state capital. Over 40 passengers had a narrow escape.

Around 45 passengers were on board in the bus, suddenly it caught fire Mandar Bazar. It was fortunate that bus stopped in time. By the time fire tender reached to the location local shopkeepers had doused the flames & no passenger sustained injury.

Fire is suspected to start due to short circuit near battery box and spread because of chemical solutions kept in the bus, he added.

The bus was brought to the police station and an alternative arrangement was made for the passengers.

Police said the bus owner has been summoned and would be questioned regarding missing safety measures, including fire extinguishers.





Hyderabad-Bengaluru Bus Catches Fire, Door Jammed After Crash: 25 Dead

Kurnool (Andhra Pradesh): Devastating incident took place as a luxury bus caught fire and turned into ashes after it hit a two-wheeler in Andhra Pradesh's Kurnool in the early hours and twenty people have died near Ullindakonda in Kurnool district.

The journey from Hyderabad around midnight started and when it reached near Kurnool on National Highway 44 (NH-44), at around 3:30 am, it met with an accident with a two-wheeler. The two-wheeler got stuck under the belly of the bus, causing a spark, as suspected. Bus door was jammed as wires snapped. Initial reports suggest that the fire engulfed the bus within minutes. The bus was of "Kaveri Travels" and was going from Hyderabad to Banguluru.

The Forensic Science Laboratory (FSL) team reached to spot to ascertain the exact cause of the fire.

Since it was an AC bus, the passengers who were able to break the glass of window managed to escape. At least 40 people were on board including driver & bus staff. Since it was early hours many people were asleep the incident came as a shock to them and took time to respond to the situation & delay might

have caused them to face difficulty in exiting the fire. But as they came to senses some passengers broke the window glass and jumped for life.

23 passengers who have either managed to escape or rescued are receiving treatment in government & private hospitals. They largely suffered injuries due to jumping out of the bus. FSL is trying to look if anyone is left behind.

As per latest report 25 people have died in the fire.

Byreddy Shabari, Nandyal TDP MP told ""The bus burnt within two to three minutes, We have an eyewitness, who was coming from the opposite direction. He tried to rescue, but couldn't help because within minutes the bus exploded. We could save about 19 people."



News

The bodies were charred and the process of identification is under process.

The Home Minister Vangalapudi Anitha and Transport Minister Mandipalli Ramprasad Reddy of Andhra Pradesh have visited the site and informed that a comprehensive investigation is underway. They said the government plans to establish a high-powered committee, comprising officials from the transport, police, and revenue departments, to come up with a new Standard Operating Procedure (SOP) for bus speeds on highways.

Transport Minister Reddy pronounced his concerns & said "While newer buses are being equipped with automatic fire alarm systems, the bus involved in the accident was 7 years old and lacked this safety feature. Discussions have been held with Telangana and Karnataka transport ministers to create unified safety guidelines. The state is also coordinating with the Ministry of Road Transport and Highways (MoRTH) to ensure such tragedies are not repeated."

As per information the bus was registered in Odisha seven years & two months before and "Fitness Certificate" is valid up-to 31st March 2027.



Grief Messages Pour in:



Prime Minister Narendra Modi is deeply saddened by the incident. He wrote on X . "My thoughts are with the affected people and their families during this difficult time. Praying for the speedy recovery of the injured." PM Modi announced financial support of Rs 2 lakh to the family of those who died in the fire. The injured would be given Rs. 50,000, he added.



President Droupadi Murmu posted on X "I extend my heartfelt condolences to the bereaved family members and pray for the speedy recovery of those injured."



N Chandrababu Naidu, Chief Minister- Andhra Pradesh extended condolences to the families of the victims and assured government support. Naidu wrote on X "I am shocked to learn about the devastating bus fire accident near Chinna Tekur village in Kurnool district. My heartfelt condolences go out to the families of those who have lost their loved ones. Government authorities will extend all possible support to the injured and affected families,"



YS Jagan Mohan Reddy Former Chief Minister and YSRCP President expressed deep shock and grief over the tragic incident. In a statement, Reddy said the incident was extremely distressing and has deeply shaken him". He conveyed his heartfelt condolences to the families of those who lost their lives in the accident.



Fire Breaks Out At Ghaziabad's Residential Building, 20 Families Evacuated

Ghaziabad: Oct 2025: In Divya Apartments, located in the Shakti Khand-2 area of Indirapuram, a multi-storey building in Uttar Pradesh's Ghaziabad A massive fire broke out. No resident was injured in the incident reported.

The fire started around 8.30 pm on the balcony of a ground-floor flat in. Soon, it spread to the entire building. Twenty families living in the building were safely evacuated.

Firefighters took control of the situation soon. They said

household items like furniture and electronic equipment in the flats were damaged.

Residents immediately informed the police and fire department about the incident. Several vehicles were sent from Indirapuram police station, and the fire trucks also arrived at the scene.

The authorities are trying to find out the cause of the fire.





Delhi Fire Services Received 269 Calls On Diwali, No Major Accident

New Delhi: Oct 2025: During Diwali night Delhi Fire Services has received 269 emergency calls.

No major accidents including loss of life or major injuries were reported, informed DFS.

The department remained on high alert throughout the festival, with all fire stations and quick response teams deployed across the city.

"We received 269 fire calls till midnight. Fortunately, no major incidents were reported, Most of the calls were related to minor blazes caused by firecrackers and "Diyas". Detailed planning had been done in advance to ensure public safety during the festive period.

Earlier, The DFS had cancelled all leaves of its staff and ensured that all vehicles and fire-fighting equipment were checked and kept ready for prompt response.

Delhi Fire Services plays a crucial role during Diwali in combating fire-related incidents and ensuring the safety of citizens of Delhi.

The DFS had received over 200 calls on Diwali night.





GLOBAL

**FIRE
NEWS**



FIRE ERUPT IN AIR CHINA'S FLIGHT, LEADING TO EMERGENCY LANDING

China: Oct 2025: Air China flight CA139 from Hangzhou to Seoul had to make an emergency landing in Shanghai after a lithium battery caught fire mid-air which was placed in the overhead compartment that caused panic among the passengers. The crew responded quickly, no injuries were reported. The flight had safe landing in Shanghai. Passengers later re-booked on another flight to reach their destination.

A video footage of the incident shows passengers panicking as crew members rush to control the fire caused by the lithium battery. Intense moment are captured with screams audible and smoke and flames visible.

As per "New York Times", Air China confirmed that the fire was extinguished in a few minutes and the plane was diverted to Shanghai. Thanks to the crew's prompt action, the fire was brought under control, and all passengers were safely evacuated, averting a potential disaster. Their quick response undoubtedly prevented injuries and ensured everyone's safety.





The ban on some portable batteries was imposed by the authorities in aeroplanes & warned about the increasing threat these batteries posed to flights in June 2025, few months later this incident has come.

Lithium batteries, which are found in many mobile phones, laptops, chargers and e-cigarettes, have been recalled by the millions in recent years due to a fire hazard. The US Federal Aviation Administration (FAA) says that if these batteries are damaged or have a short circuit, they can spontaneously combust.

As of June 30 this year, the FAA has documented 38 cases in which lithium batteries caused smoke, fire or excessive heat in passenger or cargo aircraft. Last year, 89 such cases were reported. This year, governments and airlines have tightened regulations on these batteries, limiting where they can be placed on planes.





Several Drones Catch Fire during Chinese Light Show: Chaos Erupted

China: Oct 2025: China's Liuyang city, a drone and fireworks show in went terribly wrong when dozens of drones malfunctioned mid-air, triggering a fire that sent crowds scrambling for safety.

The incident took place early October when show at the sky Theatre "The Sound of Blooming Flower" was being performed. The show was meant to create a stunning 3D visual spectacle over land and water. Technical issues caused the drones to fall, erupt in flames, and spark panic among the audience.

Videos circulating on social media showed people using chairs as makeshift umbrellas to shield themselves from falling sparks, while others ran for cover as flaming fragments rained down from the sky. Officials confirmed that no injuries occurred during the incident.

The emergency was promptly responded by the authorities by setting up a one-mile evacuation zone and deploying additional firefighting units as a precaution.

Gulf News reported that the incident has sparked discussions about safety measures during large-scale pyrotechnic displays. The Liuyang Bureau of Culture and Tourism representatives suggested that the dry weather may have contributed to the incident, Liuyang is famous for its grand pyrotechnic displays, attracting massive crowds throughout the year. In January, over 160,000 visitors flocked to the city for New Year's celebrations.





Contributed by:

Mr. Dhiren Parekh
Director

Fire Safety Devices Pvt Ltd

The Fire Sprinkler and Its Significance in Fire Safety

Introduction

Fire remains one of the most destructive forces in both residential and commercial environments, capable of causing extensive property damage, injuries, and loss of life. Over the years, various fire safety systems have been developed to detect, contain, and suppress fires efficiently. Among these, **fire sprinklers** stand out as one of the most reliable and effective active fire protection systems. Designed to respond automatically to rising temperatures, fire sprinklers have saved countless lives and minimized property damage for over a century.

What is a Fire Sprinkler System?

A **fire sprinkler system** is a network of pipes, valves, and sprinkler heads that are strategically installed throughout a building. Each sprinkler head contains a **heat-sensitive element**—either a glass bulb filled with liquid or a fusible metal link—that bursts or melts when it reaches a specific temperature (usually between 57°C and 74°C). When activated, water is discharged directly onto the fire source, suppressing or extinguishing the flames before they can spread.

Contrary to popular belief, **not all sprinkler heads activate at once**. Only those exposed to high heat open, ensuring that water is

directed precisely where it's needed, minimizing water damage while maximizing fire suppression efficiency.

Types of Fire Sprinkler Systems

There are several types of sprinkler systems, each designed for specific applications:

1- Wet Pipe Systems – The most common type, where pipes are constantly filled with water, allowing for immediate discharge during a fire.

2- Dry Pipe Systems – Pipes contain pressurized air or nitrogen, and water is released into the system only when a sprinkler activates. Ideal for cold environments where pipes could freeze.

3- Pre-Action Systems – Require a secondary trigger, such as a smoke detector, before releasing water, often used in data centres or museums to prevent accidental discharge.

4- Pre-Action Systems – Require a secondary trigger, such as a smoke detector, before releasing water, often used in data centres or museums to prevent accidental discharge.



4- Deluge Systems – All sprinkler heads are open, and water is released through all of them simultaneously when triggered, suitable for high-hazard industrial areas.

Significance of Fire Sprinkler Systems

Life Safety:

The foremost significance of fire sprinklers lies in their **ability to save lives**. According to data from organizations like the NFPA (National Fire Protection Association), the risk of dying in a fire is reduced by more than **80% in buildings equipped with sprinklers**. They control fires in their early stages, keeping evacuation routes clear and safe from smoke and heat.

Property Protection

Fire sprinklers drastically **reduce property damage** by controlling or extinguishing fires before they spread. In many cases, a single sprinkler head can suppress a small fire entirely, preventing total loss and costly reconstruction.

Business Continuity

For commercial and industrial establishments, fires can lead to devastating downtime. Sprinklers help **maintain business continuity** by limiting damage, allowing operations to resume more quickly after an incident.

Cost-Effectiveness

While installing sprinkler systems requires an initial investment, they often **lower insurance premiums** and prevent major financial losses in the long term. The cost of cleanup after a sprinkler activation is minimal compared to the destruction a full-scale fire would cause.

Reliability and Automatic Operation

Fire sprinklers operate **automatically and independently**, requiring no human intervention. This is especially critical during night time or in unoccupied buildings where early fire detection and suppression can prevent catastrophic outcomes.

Regulatory Requirements and Standards

Building codes and fire safety standards around the world mandate the installation of fire sprinklers in many types of buildings — including high-rise structures, hospitals, schools, and industrial facilities. Standards such as **NFPA 13 (Standard for the Installation of Sprinkler Systems)** set the guidelines for system design, installation, and maintenance to ensure maximum efficiency and reliability.

Maintenance and Inspection

The effectiveness of a fire sprinkler system depends on **regular maintenance and inspection**. Valves must remain open, pipes free from obstruction, and sprinkler heads unobstructed and undamaged. Periodic testing ensures that the system responds correctly when needed.

Conclusion

Fire sprinkler systems are among the most proven and effective tools in the fight against fire. They protect lives, preserve property, and contribute to safer, more resilient communities. While passive fire protection measures prevent the spread of fire, sprinklers provide the **active suppression** needed to stop it at its source. In a world where safety and preparedness are paramount, installing and maintaining a reliable fire sprinkler system is not just a regulatory necessity — it is a vital investment in human life and peace of mind.

Safety Professionals Association of India



Join Hands with

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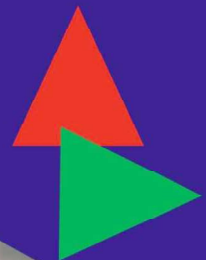
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The Significance of Personal Protective Equipment (PPE) for Occupational Safety

“Personal Protective Equipment (PPE) serves as the last line of defence against these risks, forming an essential component of comprehensive occupational safety and health (OSH) programs.”



Contributed by:

Mr. Rahul Sakhuja

Director, Safety Experts

Chapter Head, Delhi- SAMA

Introduction:

In every workplace, safety remains a fundamental concern. Whether in construction, healthcare, manufacturing, laboratories, or service industries, workers are often exposed to hazards that can lead to injury, illness, or even fatality. Personal Protective Equipment (PPE) serves as the last line of defence against these risks, forming an essential component of comprehensive occupational safety and health (OSH) programs.

Understanding PPE:

Personal Protective Equipment refers to specialized clothing or equipment worn by employees to protect themselves from workplace hazards. This includes items such as helmets, gloves, safety goggles, face shields, ear protection, respirators, high-visibility clothing, and safety footwear. Each type of PPE is designed to minimize exposure to specific risks — for instance, hard hats protect against impact injuries, while respirators safeguard against airborne contaminants.



The Role of PPE in Risk Mitigation:

PPE plays a crucial role in preventing injuries and illnesses that engineering controls or administrative measures cannot fully eliminate. In industries such as construction, PPE reduces the likelihood of head injuries, falls, and exposure to dust or chemicals. In healthcare settings, PPE like gloves, masks, and gowns protect professionals from infectious diseases. Even in seemingly low-risk environments, protective equipment—such as ergonomic supports or anti-slip footwear—helps prevent musculoskeletal and slip-related injuries.

However, PPE should always be viewed as part of a broader safety system. The hierarchy of controls in occupational safety places elimination, substitution, engineering, and administrative controls above PPE, emphasizing that it should be used when hazards cannot be completely controlled by other means.

Legal and Regulatory Framework:

Most countries have regulations mandating the use of PPE under occupational safety laws. Agencies such as the Occupational Safety and Health Administration (OSHA) in the United States, and the International Labour Organization (ILO) globally, require employers to assess workplace risks, provide appropriate PPE at no cost, and train employees in its proper use. Non-compliance not only exposes workers to harm but can also result in severe legal and financial penalties for employers.

Training and Proper Usage:

The effectiveness of PPE depends not only on its quality but also on how it is used and maintained. Workers must be trained to correctly select, wear, and care for their protective gear. Improperly fitted or damaged PPE can give a false sense of security and may fail during critical moments. Regular inspections, replacements, and hygiene practices are therefore vital to maintaining its protective integrity.

Challenges and Limitations:

While PPE is indispensable, it has limitations. It can be uncomfortable, restrict movement, or cause heat stress, leading some workers to misuse or neglect it. Organizations must address these issues through ergonomic design, employee engagement, and fostering a culture of safety that emphasizes the importance of consistent PPE use.

Conclusion:

Personal Protective Equipment remains a cornerstone of occupational safety, serving as a vital shield between workers and workplace hazards. Its proper use not only prevents injuries and saves lives but also enhances productivity, morale, and compliance with safety standards. Ultimately, the significance of PPE lies not merely in its physical protection but in its representation of a workplace culture that values human life and well-being above all else.



Mayur Lalit
Editor
"The FSS Post"
Director, DV Enterprises

How Big Brands Are Made: The Journey from Idea to Icon

Every household name today — from Apple to Nike, from Coca-Cola to Tata — started as a small idea, often born out of passion, innovation, and a clear understanding of human needs. What turns a company into a **big brand** is not just a great product, but a combination of **vision, consistency, customer connection, and trust** built over time. Branding is not merely about logos or advertisements; it is about shaping perceptions and delivering value so consistently that the brand becomes part of people's lives.

Vision and Purpose: The Foundation of Every Great Brand

Behind every successful brand lies a clear vision — a purpose beyond profits. This purpose gives direction, inspires innovation, and connects emotionally with customers.

Example:



Steve Jobs didn't just want to make computers; he wanted to *challenge the status quo* and make technology simple and beautiful. That vision shaped Apple's DNA — from its sleek designs to its minimalist advertising — and turned it into one of the most valuable brands in the world. Apple's message, "Think Different," became a philosophy rather than a slogan.



Founded on the principle of nation-building, Tata's vision went beyond business success. Its focus on ethics, trust, and social responsibility helped it become one of India's most respected conglomerates globally.

Consistent Quality and Experience:

A brand grows when customers know exactly what to expect — and the company delivers that experience consistently



Whether in Mumbai or Madrid, customers expect the same taste, cleanliness, and service. This uniformity builds trust and makes the brand instantly recognizable worldwide.



In India, Amul's promise of purity and affordability has remained constant for decades. Its "Taste of India" campaign reinforced its reliability while evoking national pride.

Consistency builds credibility — and credibility builds brands.

Emotional Connection and Storytelling:

People don't just buy products; they buy stories, emotions, and identities. Big brands create narratives that resonate with their audience's aspirations.

Example:



Nike's "Just Do It" is more than a tagline — it's a call to action. It inspires people to push boundaries, regardless of their background. By linking its identity to empowerment and athletic achievement, Nike has built an emotional empire.



Coca-Cola's marketing focuses on happiness, friendship, and togetherness — emotions that never go out of style. The product becomes secondary to the feeling it represents.

Innovation and Adaptability:

Markets change, consumer preferences evolve, and technology disrupts industries. Brands that stay big are those that **evolve without losing their essence**.



Started as an online bookstore, Amazon continuously innovated —

from expanding into every product category to creating cloud computing (AWS) and AI-driven services. Its obsession with customer satisfaction has kept it ahead of competitors.



Reliance transformed from a textile company into a diversified conglomerate, entering telecom, retail, and energy. By adapting to India's changing economic landscape, it turned into a powerhouse brand.

Strong Brand Identity and Design:

A brand's visual identity — logo, colors, packaging, and overall design — plays a powerful role in recognition and recall. But it must also represent the brand's values.

Example:



The green mermaid logo symbolizes warmth, relaxation, and community. Starbucks created not just a coffee brand, but an experience — a "third place" between home and work.



With its simple, colorful logo and clean design, Google communicates accessibility and innovation. The brand identity reflects its core promise — simplicity in a complex digital world.

Trust and Social Responsibility:

Modern consumers value **ethics, transparency, and sustainability**. Big brands sustain their reputation by giving back to society and aligning with values people care about.

Example:



Built around cruelty-free and ethical sourcing principles, The Body Shop earned customer loyalty by standing for something beyond profit.



Infosys

With its focus on integrity, transparency, and philanthropy, Infosys became not just a software company, but a trusted Indian brand on the global stage.

Marketing and Brand Communication:

Even the best product can remain unnoticed without smart marketing. Big brands invest in creative campaigns, celebrity endorsements, digital engagement, and social media storytelling to stay relevant and visible.

Example:



Pepsi vs Coca-Cola

Both the brands have maintained decades-long visibility through creative marketing — from iconic TV commercials to sports sponsorships and digital campaigns that engage the youth.

Customer-Centric Culture:

The biggest brands listen. They evolve with customer needs and turn feedback into innovation.

Example:



Samsung's rapid innovation cycles, based on consumer feedback and trends, have helped it maintain leadership in multiple product categories.

Zappos.com

Known for exceptional customer service, Zappos built its brand entirely on a culture of delighting customers — proving that service excellence itself can be a brand differentiator.

Conclusion:

Big brands aren't made overnight. They are **built over years of consistent effort, trust, and emotional resonance**. A successful brand combines purpose, quality, storytelling, innovation, and customer focus into a single, unified experience.





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The Significance of Passive Fire Protection in Building Safety



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Fire remains one of the most devastating hazards that can strike a building, threatening lives, property, and the continuity of operations. To safeguard against such risks, fire protection systems are categorized into two main types: **active fire protection (AFP)**, which includes alarms, sprinklers, and extinguishers, and **passive fire protection (PFP)**, which focuses on preventing the spread of fire and smoke through structural design and materials. While active systems are often more visible, passive fire protection forms the backbone of any comprehensive fire safety strategy.

What is Passive Fire Protection?

Passive Fire Protection refers to the **use of building components and materials designed to resist fire**, contain its spread, and maintain structural integrity for as long as possible during a fire event. Unlike active systems that require activation, PFP measures are built into the fabric of a structure and function automatically when exposed to fire. Examples include fire-resistant walls and doors, fire-rated coatings, compartmentation systems, firestopping materials, intumescent paints, and structural fireproofing.

The Role of PFP in Life Safety

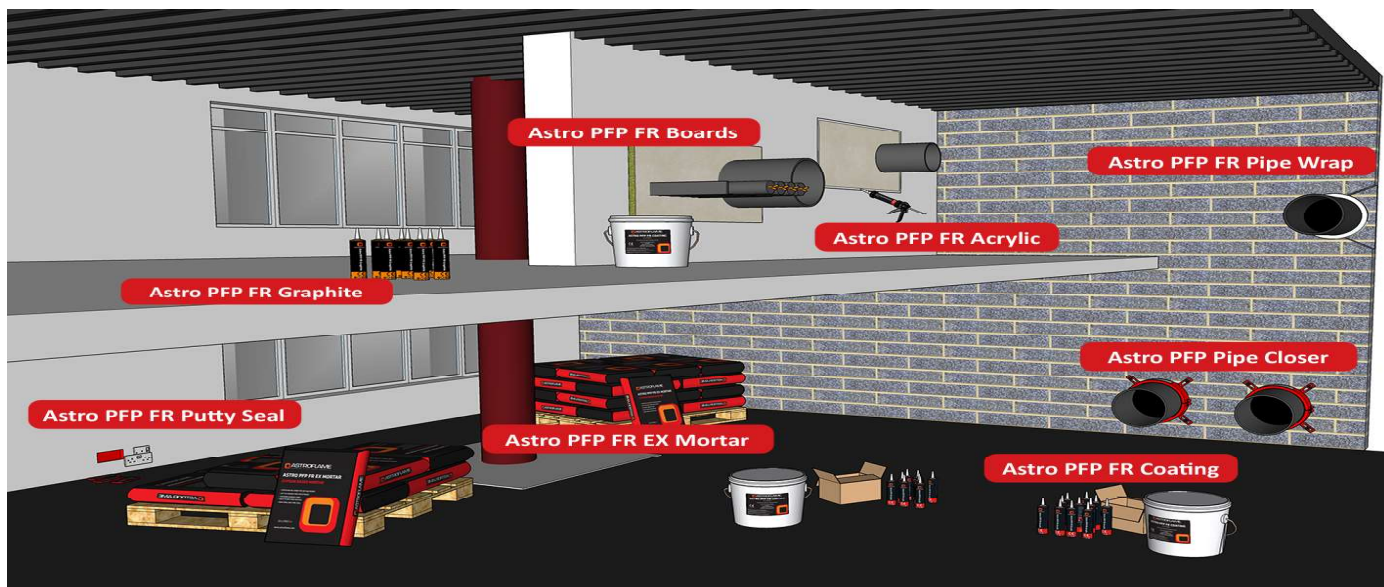
The primary goal of PFP is to **preserve life by delaying fire and smoke spread**, giving occupants enough time to safely



evacuate and allowing emergency responders to operate effectively. Compartmentation — dividing a building into fire-resisting sections — prevents a fire from engulfing the entire structure quickly. Fire doors and barriers seal off escape routes, ensuring that stairwells and corridors remain tenable during evacuation. Without these features, even minor fires could rapidly escalate into uncontrollable disasters.

Structural Integrity and Asset Protection

Beyond life safety, PFP plays a vital role in maintaining a building's **structural stability** during a fire. Fireproof coatings and insulation materials protect critical structural elements, such as steel beams and columns, from weakening due to high temperatures. This prevents premature collapse, minimizing damage and improving post-incident recovery. For industries like oil and gas, power generation, and manufacturing, PFP systems are essential in preventing catastrophic structural failures and protecting valuable assets.



Regulatory Compliance and Standards:

Building codes and fire safety regulations across the world mandate the incorporation of passive fire protection. Standards such as **NFPA (National Fire Protection Association)** in the U.S., **BS (British Standards)** in the U.K., and **ISO fire safety codes** internationally, specify fire resistance ratings for structural components and compartmentation requirements. Compliance not only ensures legal adherence but also enhances the credibility, insurability, and safety reputation of a facility.

Integration with Active Fire Protection:

While PFP and AFP serve different functions, their integration creates a **layered defense** against fire hazards. Passive systems contain the fire, while active systems detect and suppress it. For example, fire barriers prevent fire spread while sprinklers extinguish flames in the compartment of origin. This synergy significantly reduces overall fire risk and enhances the resilience of the built environment.

Maintenance and Inspection:

Although PFP systems are designed to be low-maintenance, regular **inspection and maintenance** are essential to ensure their continued effectiveness. Fire doors must close properly, penetrations through fire-rated walls must be sealed, and coatings or barriers must remain intact. Neglecting these aspects can compromise the entire fire safety strategy, rendering even the best designs ineffective.

Conclusion:

Passive Fire Protection is a **silent guardian** of building safety — operating continuously and unobtrusively to contain fires, protect lives, and preserve structures. Its significance extends beyond compliance, forming the foundation upon which all other fire safety measures rely. Investing in robust PFP systems, coupled with regular maintenance and integration with active measures, is not just a regulatory requirement but a moral and practical commitment to safety and resilience.





Contributed by:

Mr. Naresh Sharma
Director
Karemate Global Solutions

Prospects for Indian Safety Manufacturer in International Market

India's safety-equipment manufacturing sector (covering items like personal protective equipment (PPE), industrial safety gear, helmets, gloves, safety shoes, fire-protection systems, etc.) is gaining momentum. With rising global concerns over workplace safety, stricter regulations, supply-chain re-shifts, and cost pressures, Indian manufacturers are well-positioned to capture export opportunities. According to one recent report, there are over 300 Indian manufacturers producing safety helmets/gloves/shoes aligned with EN, ANSI, and IS standards.

The global market demand for safety gear is growing, meaning India has a timely chance to scale up exports.

Key Strengths of Indian Manufacturers:

Here are some of the strengths that Indian firms can leverage internationally:

Cost competitiveness & labour advantage:

India offers comparatively lower labour costs and has a large manufacturing base, which allows suppliers to offer competitive pricing.

Supply-chain ecosystem & raw materials access:

Clusters in states like Maharashtra, Tamil Nadu, Delhi/NCR, Uttar Pradesh etc. provide access to textile, leather, technical fabric, and other inputs needed for safety and protective gear.

Standards Compliance & Certification Movement:

Indian manufacturers are increasingly obtaining certifications (ISO 9001, ISO 45001, CE/EN standards) and aligning with global norms. This helps in addressing buyer concerns about quality and reliability.



Geopolitical & supply-chain shifts favouring India:

With global manufacturing re-looking at diversification away from single dominant countries, India is emerging as a viable alternative manufacturing base. One report says a shift of even 5–10% of global sourcing from China into India could significantly grow India's industrial PPE export business.

Growing domestic market as a springboard:

The domestic demand also helps firms scale production, invest in R&D, adapt to standards, which then gives export credibility. For instance, the Indian safety gear market is expected to grow strongly.

Major Opportunity Areas in the International Market:

Here are specific segments and markets where Indian manufacturers have attractive opportunities:

PPE & Industrial Safety Gear:

- The global industrial PPE market is estimated ~US\$ 60 billion in 2023 and projected to reach over US\$ 90 billion by 2030.

- India's exports in this category are still modest (estimated US\$ 1.2-1.5 billion in FY22-23 for industrial + medical PPE) meaning there is large upside.

- Target geographies: Middle East, Africa, Southeast Asia, Eastern Europe, USA. One report mentions Indian safety gear manufacturers are already exporting to Middle East, Africa, Southeast Asia and the US.

Fire-Protection & Safety Equipment:

- Fire safety gear (e.g., helmets, fire gloves, fire suppression systems) has growing global demand due to stricter regulations, retrofitting old buildings, and new infrastructure in developing countries.
- Indian firms which manufacture fire & safety appliances (e.g., fire extinguishers, fire-resistant clothing) appear in rankings of "top industrial safety equipment manufacturers in India".

Defence / Ballistic / Personal protective gear:

- India has been exporting personal protective gear (e.g., bullet-proof jackets, helmets) under defence/ security categories; aligning to international standards opens civilian export markets as well.

Niche / High-value technical safety gear:

- As global buyers look for “beyond basic PPE” (smart PPE with sensors, breathable technical fabrics, ergonomics, chemical/flame-resistant gear), Indian companies that invest in innovation/R&D can capture higher-margin exports.
- Technical textiles used in safety gear are gaining importance; India has textile strengths that can be leveraged.

Leveraging Free Trade Agreements & Origin Advantages:

- Indian manufacturers can benefit from trade agreements and “Made in India” branding as global supply-chains seek diversification.
- Using India’s competitive advantage of non-China origin may help access buyers who are diversifying out of China. The report note: “Even a small percentage of global industrial safety equipment supply shifting away from China can significantly boost India’s PPE industry.”

Key Challenges to Address:

To fully exploit these opportunities, Indian manufacturers must navigate a number of challenges:

Certification & compliance hurdles-

1- International buyers often require CE/EN/ANSI/ASTM certifications, product testing (e.g., abrasion, flame, chemical resistance), regular audits, traceability. Indian manufacturers must ensure they meet these standards.

Quality perception / brand trust

Some global buyers still perceive Indian-made safety gear as “low cost but not top quality”. Overcoming this requires consistent performance, documented testing, good after-sales, and credible branding. In one interview:

“As you and your readers will know, ... unless Indian companies have top quality PPE, our manufacturing will never be able to

compete with those of the West and China.”

Scale & production capacity:

Export orders may demand large volumes, consistent supply, reliable logistics. Many Indian MSMEs may be challenged by achieving scale, lead-time management, and global logistics.

Global competition & pricing pressure:

Indian firms will compete with established suppliers from China, Europe, and now Turkey, Vietnam etc. Pricing, delivery, service will matter.

Logistics, export process, trade barriers:

Issues such as shipping costs, tariffs, trade regulations, country-specific requirements, foreign distributor networks, after-sales support all matter.

Innovation & differentiation

Basic PPE is a commodity. To gain higher margins and build brand presence globally, firms need to innovate (smart PPE, sustainable materials, ergonomic design).

Raw-material / input dependence

Some technical fabrics, aramid fibres, coatings may need imports; any disruption or cost increases can impact competitiveness.

Strategy & Recommendations for Indian Manufacturers:

1- Obtain relevant international certifications & align to standards early:

- Ensure certifications such as CE, EN ISO 20471, EN Helmet standards, ANSI etc.
- Invest in third-party testing, lab validations, audit compliance. This builds trust with foreign buyers.
- Benchmark product specs against global offerings, not just domestic ones.
-

1-Select target markets strategically:

- Focus initially on regions with growth potential and fewer entry barriers (Middle East, Africa, Southeast Asia, Eastern Europe) before moving into very developed markets. According to reports these regions are already importing Indian safety gear.
- Study tariffs, trade agreements, logistics cost for each target country.
- Build distributor/agent network locally to handle sales, support, certification follow-up.

2-Build brand / reliability / after-sales capability:

- Buyers value not just product, but reliability of supply, documentation, guarantee, service.
- Create a credible “Made in India – Global-Class Safety Gear” positioning.
- Participate in global trade shows (for example companies are attending fairs like A+A Düsseldorf, NSC Expo USA, Paris Expo, Intersec) to build exposure.

3-Focus on value-added & niche segments:

- Rather than competing purely on price in commodity PPE, pursue higher margin segments: smart PPE, flame/chemical-resistant garments, ballistic/defence PPE, ergonomic safety footwear, sustainable materials.
- Leverage India's textile/manufacturing ecosystem to innovate.

4-Leverage supply-chain / origin advantage:

- Position as alternative to China for buyers looking supply diversification. The report suggests that even shifting 5-10% of global sourcing away from China could be a game-changer for India.
- Use government schemes, export incentives, SEZs, trade-promotion councils to reduce cost, improve logistics, support and R&D.

5-Collaborate and scale production capacity:

- Indian manufacturers may need to collaborate (joint ventures, consortiums) to meet large export orders, ensure quality, and share best practices.
- Invest in automation, quality control systems, digital traceability, supply-chain transparency to meet global buyer demands.

Ensure logistics, compliance, and documentation excellence:

- Export success depends on flawless execution in shipping, lead-time, customs, documentation (export-licenses, IEC code, etc.).
- Engage with export councils, trade promotion bodies (like Engineering Export Promotion Council of India (EEPC), etc.) to access market intelligence, buyer-leads, and trade missions.

Continuous innovation & sustainability:

- Global buyers increasingly expect sustainable, eco-friendly materials (e.g., recycled fabrics, biodegradable ear-plugs) and digital/connected safety gear. India's firms should anticipate these trends (one report: biodegradable earplugs, gloves from recycled bottles).
- R&D investment, partnership with institutes/universities, patenting designs can help differentiation.

Outlook & Potential Impact:

If Indian safety-equipment manufacturers seize these opportunities effectively, the impact could be substantial:

- Capturing an even small share of global PPE/industrial safety market (~US\$60-90 billion) would translate into large export revenues for India. One report argues that a shift of 5-10% of global sourcing could represent a US\$ 3 billion opportunity.
- Growing export revenues will drive manufacturing upgrades, jobs, design/manufacturing ecosystem enhancements in India (automation, better quality, global standards).
- India can position itself as a global safety-gear hub (not just domestic), boosting “Made in India” brand in safety and protection category.
- For global companies seeking non-China sourcing, India can become a preferred alternative — increasing strategic importance of Indian manufacturers in the global supply chain.

Conclusion:

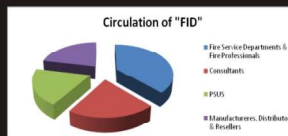
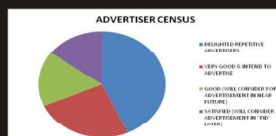
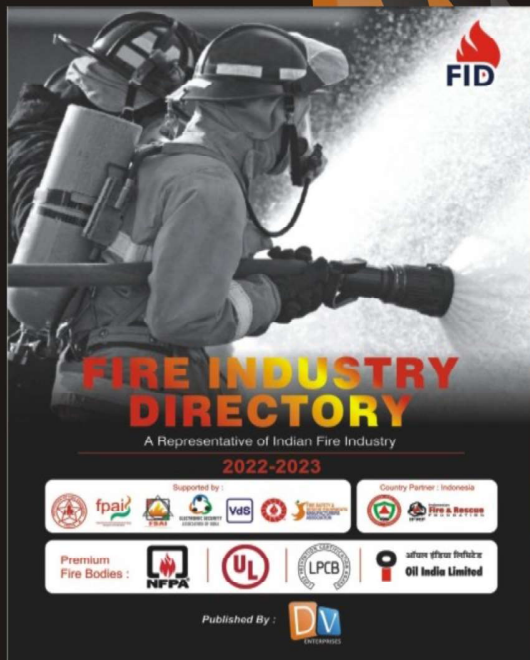
The international market presents a **significant opportunity** for Indian safety-equipment manufacturers — driven by rising global demand for PPE and industrial safety gear, supply-chain shifts, and India's manufacturing ecosystem. With cost-competitiveness, improving compliance/quality, and proactive strategy, Indian firms can capture meaningful export volume.

However, success will depend on execution: meeting international standards, building global customer trust, innovating beyond commodity gear, ensuring logistics and quality chain robustness, and selecting target markets wisely.

For Indian manufacturers willing to invest in quality, branding, and exports, the time to act is now.

Fire Industry Directory

One Stop Rendezvous to access Gamut of information about Indian Fire Industry



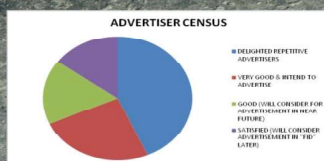
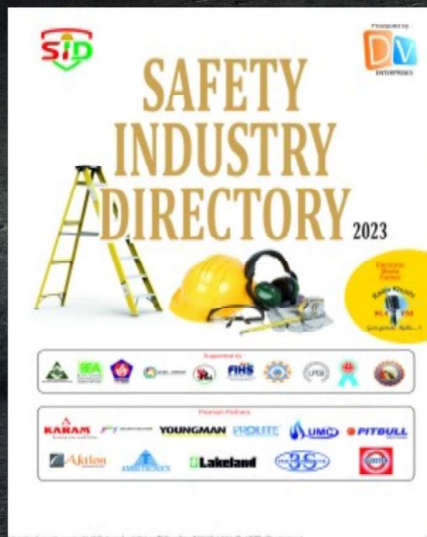
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Public Sectors/Metro
Railway/Fire Consultants
CISF- Fire Wing
Construction Industry
Hospitals
Petro Chemical Industry
Airport Brigade
Disaster Management Authorities
Port Trust
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Buildings/Industrial
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...And Many More

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Cargo Plane turns into a fireball during takeoff in Kentucky: at least 12 killed

Louisville, Kentucky: UPS cargo crashed during takeoff from the airport claiming at least 12 lives as reported so far. Death toll expected to rise. Among dead include one child. The plane exploded immediate after freight plane departure. The plane flew at around 17:15 local time (22:15 GMT).

Thick plumes of smoke were caused due to fire in left engine caught fire during takeoff. The plane fell from the wing. At least more than a dozen were injured in crash. As reported those who survived have suffered significant injuries in the incident. Search for other victims are underway as many people remain accounted for. Three crew members are suspected to be among dead.





Investigation is underway to ascertain the cause of the incident but it is too early to say what caused this fire. Though surveillance footage & data from the plane is being collated to put the piece together. Black Box from the plane has been recovered. NTSB agency is leading the investigation.

"As per preliminary investigation, Left engine of the aircraft was seen detaching from the wing during takeoff, as CCTV footage showed" NTSB updated.

Louisville Mayor informed that the airport has been reopened to resume regular schedule of flights.

16 families have reported missing of their loved ones. Two workers at the auto business that was struck were still unaccounted. It is not known how many customers were on the premises when the crash happened.

Local authorities said that they were unsure how many victims will be searched. Fire destroyed the plane and large debris is there therefore it is a challenging task for the crew.

NTSB has deployed 28 people so far on the ground and are committed to analyse every bit of everything to ascertain the reason for devastating incident.

The plane was on a journey of 4,300 miles i.e. 6,920 km to Hawaii.

The plane turned into a fireball due to amount of fuel on board, as it was carrying 38,000 gallons (144,000 litres) of fuel when it crashed. This made it look like it was "raining oil" in Louisville when the crash occurred. Though it is speculated that the plane was not carrying anything that would create a heightened risk of contamination.

Two nearby businesses including a petroleum recycling company were hit.

Louisville Fire Department Chief Brian O'Neal said the amount of fuel spilled at the crash site made it a "very dangerous situation".

The shelter-in-place order was reduced to a one-mile radius as crews worked to contain the blaze on Tuesday night.





Explosion at North-western Mexico store: 23 dead, dozens injured in fire

A fire and explosion at a convenience store in northwestern Mexico on Saturday killed at least 23 people, including children, and injured 12 others, state authorities said.





The fire occurred in downtown Hermosillo, the capital of Sonora state, Sonora Gov. Alfonso Durazo said in a video posted on social media.

Sonora Attorney General Gustavo Salas Chavez provided the death toll and said the injured were taken to six hospitals in Hermosillo.

Salas Chavez said preliminary investigations showed the deaths were caused by inhalation of toxic gases.

At this time we have no indication that leads us to presume the fire was intentional, he said, noting authorities had not ruled out any line of investigation.

Images circulating on social media show a massive fire engulfing the Waldo's store. One video showed a burned man collapsing onto the asphalt a few metres (yards) from the store entrance.





The Significance of Fire Safety Measures

Fire is one of humanity's oldest discoveries—an essential tool that has shaped civilization, yet a powerful force that can cause devastation when not controlled. Throughout history, countless lives and properties have been lost to fires that could have been prevented through awareness, preparedness, and safety measures. Today, in homes, workplaces, schools, and public spaces, **fire safety measures** are not just precautionary steps; they are vital to ensuring safety, reducing risk, and preserving life and property.

Promoting Awareness and Preparedness

The primary goal of fire safety measures is the protection of human life. Fires spread quickly, producing heat, smoke, and toxic gases that can trap occupants and cause fatalities within minutes. Installing smoke detectors, fire alarms, and sprinkler systems provides early warning and immediate

suppression, allowing people to escape safely. In addition, proper building design—such as fire-resistant materials, emergency exits, and clear evacuation routes—can significantly minimize the destruction of property.

Promoting Awareness and Preparedness

Fire safety begins with education. Awareness programs teach people how to identify potential fire hazards, handle electrical equipment safely, store flammable materials properly, and respond calmly during emergencies. Regular fire drills in schools, offices, and factories train individuals to act quickly and efficiently, ensuring that panic does not lead to chaos. Preparedness transforms potential victims into capable responders.



Reducing Economic and Environmental Impact

Beyond human loss, fires cause immense financial damage. Businesses may lose valuable assets, face production halts, and endure long-term economic setbacks. The environmental toll is also severe—forest fires release carbon emissions, destroy wildlife habitats, and degrade air quality. Effective fire prevention systems, along with responsible waste disposal and electrical maintenance, can prevent these disasters and save billions in recovery costs.

Ensuring Legal Compliance and Accountability

Governments and local authorities enforce fire safety regulations to protect communities. Compliance with fire codes—such as maintaining extinguishers, conducting regular inspections, and ensuring proper signage—is not optional. Organizations that neglect these responsibilities risk legal penalties, insurance complications, and reputational damage. Adherence to fire safety standards reflects social responsibility and ethical governance.

Encouraging a Culture of Safety

When fire safety becomes part of everyday life, communities grow more resilient. Encouraging a safety-first mindset—whether at home, school, or work—builds collective responsibility. Everyone, from children learning “Stop, Drop, and Roll” to managers overseeing industrial plants, plays a role in preventing fires and saving lives.

Conclusion

Fire safety measures are not merely technical requirements but moral imperatives that safeguard humanity's well-being. Prevention, preparedness, and swift response form the foundation of fire safety. By understanding risks, installing protective systems, and fostering awareness, society can transform fire from a potential threat into a manageable force. Ultimately, **a culture of fire safety is a culture of care—for life, property, and the environment.**

The Significance of Fire Safety Training



Mr. Dilshad Ahemad
CEO & Managing Director
Deworth Equipments Pvt. Ltd.



Fire is one of the most dangerous and unpredictable emergencies that can occur in any environment—be it at home, school, or the workplace. While fire prevention systems like alarms and extinguishers are essential, they are only effective when people know how to use them properly. This is where fire safety training becomes crucial. It equips individuals with the knowledge and skills needed to prevent fires, respond effectively in emergencies, and minimize loss of life and property.

Promotes Awareness and Prevention

The first and most important step in fire safety is awareness. Fire safety training teaches individuals to recognize potential fire hazards such as faulty wiring, overloaded sockets, or improper storage of flammable materials. When people understand the causes of fires, they can take proactive measures to prevent them. As the saying goes, "Prevention is better than cure," and in fire safety, prevention can save lives and valuable resources.

Builds Confidence During Emergencies

In a fire emergency, panic often leads to confusion and mistakes. Training helps individuals stay calm and act quickly. Participants learn how to operate fire extinguishers, identify escape routes, and assist others during evacuation. Regular

fire drills and mock exercises simulate real-life scenarios, giving people the confidence to respond effectively when an actual fire occurs.

Reduces Loss of Life and Property

Proper fire safety training can make the difference between life and death. Quick, informed actions—such as activating alarms, closing doors to contain flames, or using the right type of extinguisher—can significantly reduce fire damage. Trained personnel can control small fires before they spread, preventing large-scale destruction and ensuring everyone's





Ensures Legal Compliance and Workplace Safety

Most countries have laws that require organizations to provide fire safety training to employees. Compliance with these regulations not only avoids legal penalties but also promotes a safer workplace environment. Employers who prioritize fire safety demonstrate responsibility toward their staff and customers, enhancing trust and morale within the organization.

Encourages a Culture of Safety

When fire safety training becomes a regular part of community or workplace practice, it fosters a culture of safety. People begin to look out for one another and report hazards before they become threats. This shared sense of responsibility helps prevent accidents and creates an environment where safety is everyone's priority.

Conclusion

Fire safety training is not just a precaution—it is a necessity. It empowers individuals with the knowledge, confidence, and readiness to act swiftly in emergencies. Whether at home, in schools, or at work, such training can save lives, protect property, and build safer communities. Investing in fire safety training today ensures a safer, more prepared tomorrow.



ESTD: 2016



Corporate Office

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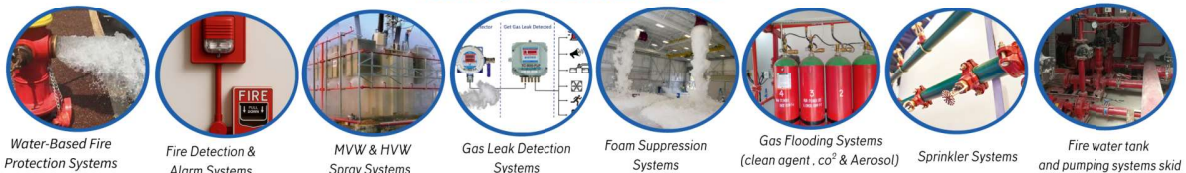


Your Project Our Responsibility



Think of FIRE Before its Start

Our Key Solutions Include



Our Esteem Clientele



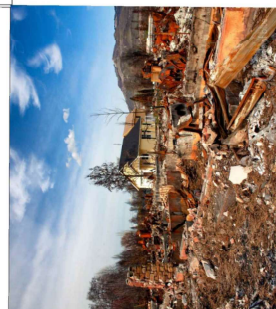
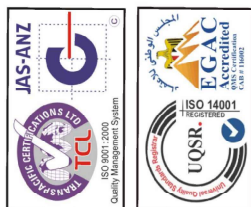
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BRIJBASI FIRE SAFETY SYSTEMS PVT. LTD.

FIRE STANDARDS

S. No.	Fire Equipment	Standard
1	Flexible Fire Fighting Delivery Hose (Non- Percolating)	IS 636:2018
2	Fire Fighting Hose (Controlled Percolating)	IS 8423:1994
3	Fire Fighting Hose (Unlined Flax)	IS 4927:1992
4	Fire Fighting Hose Reel (First- Aid)	IS 884:1985
5	Fire Fighting Double Male- Female Instantaneous Pattern	IS 901:1988
6	Fire Fighting Hose (suction)	IS 902:1992
7	Fire Hose, Delivery Coupling, Branch Pipes, Nozzels & Spanner	IS 903:1993
8	Fire Fighting 2 & 3 Way Suction Collecting Heads	IS 904: 1983
9	Delivery Breaching, Dividing & Collecting Instantaneous Pattern	IS 905: 1980
10	Fire Fighting Revolving Branch	IS 906:1988
11	Fire Fighting Suction Strainer (Cylinder Type)	IS 907: 1984
12	Fire Hydrant (Standard Post Type)	IS 908:1975
13	Fire Hydrant (Underground Type), Sluice Valve	IS 909: 1992
14	Hydrant Cover, Lower Valve, Combined Key for Hydrant	IS 910:1980
15	Fireman Axe	IS 926: 1985
16	Fire Hook	IS 927: 1981
17	Fog Nozzle (for Fire Brigade)	IS 952:2012
18	Foam Making Branch Pipes	IS 2097: 2012
19	Fire Bucket (Galvanised Mild Steel)	IS 2546: 1974
20	Fire Fighting Universal Branch Pipes	IS 2871: 1983
21	Gas Cartridges for Fire Extinguishers	IS 4947: 2006
22	Landing Valves	IS 5290: 1993
23	Fire Hose Clamps & Bandages (Fire Brigade Use)	IS 5612: 1977
24	Fire Fighting Hydrant Standard Pipe	IS 5714: 1981
25	Fire Fighting Coupling, Branch Pipes, Nozzels (Used in Hose Reel)	IS 8090: 1976
26	Fire Beaters	IS 8096: 1992
27	Fire Fighting Foam Monitors & Standard Post Water	IS 8442: 2008
28	Thermoplastic Hoses (Textile Reinforced)- Water General Purpose	IS 12585:1988
29	Fire Fighting Foam Concentrate (Producing Mechanical Foam- eg. PF, AFFF, FFFP & Synthetic Foam)	IS 4989: 2018
30	Multipurpose AFFF Liquid Concentrate (for extinguishing Hydrocarbon & Polar Solvent Fire)	IS 4989: 2018
31	AFF, PF, FFFP, FP (for both hydrocarbon & polar solvent fire)	UL- 162
32	International Maritime Organisation Fire Fighting Foam Concentrate for Fixed Fire Extinguishing System :	IMO MSC.1/CIRC-1312
33	Fire Fighting Foam Concentrate	ICAO
34	Fire Fighting Foam Concentrate	SP 2580 Method
35	Dry Chemical Powder (for B & C class fires)	IS 4308: 2019
36	Dry Chemical Powder (for A,B & C class fires)	IS 4308:2019
37	Dry Chemical Powder (for BC & ABC fires)	ISO 7202:2018
38	Portable Fire Extinguisher (Performance & Construction)	IS 15683:2018
39	Portable Fire Extinguisher (Performance & Construction)	ISO 7165
40	Fire Extinguisher (for class A,B, C & K)	UL-711
41	Portable Fire Extinguisher (Performance & Construction)	BS EN 3-7:2004+ A1: 2007
42	Portable Fire Extinguisher (Construction)	BS EN 3-8:2006
43	Fire Extinguisher (Wheeled)	IS 16018:2012
44	Fire Extinguisher (Mobile)	BS EN 1866-1:2007

Fire Industry Directory at "Fire India 2025





“Kartik Fire Protection” made its mesmerising presence at “Fire India Exhibition”



Industry News



Director's Note: Innovation with Safety

At **Kartik Fire Protection Pvt. Ltd.**, our team continuously engages in research and development during production to bring new and practical concepts to life.

Through our recent studies, we realized that *every home deserves kitchen safety, every homemaker deserves protection, and every family deserves peace of mind*. True safety begins when the women of the house start taking an active interest in keeping fire safety equipment within their reach — especially in the kitchen.

With this understanding, we decided to introduce a **new range of colorful, designer, and portable fire**

extinguishers. These extinguishers are not only compact and easy to use but also aesthetically designed so that women, children, and the elderly feel comfortable keeping them in their kitchens, drawing rooms, or anywhere at home — even as part of their décor.

Our goal is to make fire safety a part of every household lifestyle — not just an emergency tool hidden away. *That's why Kartik Fire proudly presents its new generation of portable, designer fire extinguishers — stylish, safe, and simple to use for everyone.*



Your trusted partner in
FIRE SAFETY



ERW GI PIPES

- SIZE RANGE: ½" to 16"
- THICKNESS: 1.6 mm to 12.7 mm

HOLLOW SECTION

- SHS SIZE RANGE: 16x16 to 300x300mm
- RHS SIZE RANGE: 13x26 to 200x400mm
- THICKNESS: 1.0mm to 12mm

ERW BLACK PIPES

- SIZE RANGE: ½" to 16"
- THICKNESS: 1.6 mm to 12.7 mm

ERW GP PIPES

- GP ROUND: 15NB to 175NB
- GP SQUARE: 15x15mm to 150x150mm
- GP RECTANGULAR: 40X10mm to 200x100mm
- THICKNESS: 0.80mm to 6mm

Product & Marking Certificates



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FOAM CONCENTRATE

- ▲ Film Forming Fluoro Protein (FFFP)
- ▲ Protein Foam Concentrate
- ▲ AR-AFFF Foam Concentrate
- ▲ High Expansion Foam
- ▲ Training Foams
- ▲ Fluorine Free Foams
- ▲ Protein Foam Concentrate
- ▲ Film Fluoroprotein Alcohol Resistant
- ▲ Film Forming Fluoro Protein Foam Concentrate
- ▲ Fire Fighting Hazmat
- ▲ Concrete Foams

EQUIPMENT

- ▲ Bladder tank
- ▲ Balanced pressure proportioning system
- ▲ Fire Chem foam maker
- ▲ ABC - Type portables
- ▲ Dry powder fire extinguishers
- ▲ Carbon dioxide fire extinguisher
- ▲ Clean agent fire extinguishers
- ▲ Freeze fire kitchen fire extinguisher
- ▲ Fire Chem high expansion foam generator (fchx-250)
- ▲ FSD GRS 400 portable firefighting system

DRY CHEMICAL POWDER

- ▲ Sodium Bicarbonate based
- ▲ Potassium Bicarbonate based
- ▲ ABC Powder Mono Ammonium Phosphate based
- ▲ Urea And Potassium Bicarbonate based
- ▲ Fire Chem Force
- ▲ Freeze Fire TEC Powder



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From fuel fire to metal fire, from fire fighting chemicals to fire fighting devices, we are the experts when it comes to anything involving fire safety. We are **Fire Safety Devices Pvt. Ltd.** We are devoted to keep your workplace safe from all types of fire hazards.



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