



The FSS Post

THE FIRE SAFETY & SECURITY POST

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rendezvous with industry leader

Mitul Bokadia

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Mr. Mitul Bokadia
Mr. Hemant Sapra
Mr. Manan Shah
Mr. Pradeep Mandre
Mr. Rahul Sakhuja





Welcome to UNITED FORGE, a renowned leader in the manufacturing of Forged Pipe Fittings, Buttweld Fittings, and Flanges, With over 18 years of expertise, we are your trusted source for high-quality products adhering to ASTM/ASME specifications and customized requirements.

Our sprawling 27,000 sq.mtrs manufacturing base, strategically located in Vadodara, India, houses state-of-the-art facilities for forging, forming, machining, and more. We take pride in our in-house capabilities, including heat treatment, surface treatment, and thorough testing.

At UNITED FORGE, our commitment to quality is reflected in our ISO 9001, ISO 14001, and ISO 45001 certifications, as well as our PED/2014/EU certification. Our dedicated team of Production Engineers, Supervisors, and QA/QC Engineers, alongside skilled workers, ensures immediate responses, excellent quality, quick delivery, and utmost customer satisfaction.

In a relatively short time, we've emerged as a leading manufacturer of top-quality Pipe Fittings & Flanges. Our strong fundamentals in design, manufacturing, quality control, and customer service, coupled with robust financial capability, enable us to meet demands not only in India but across the globe. Choose UNITED FORGE for reliability, precision, and excellence in the world of fittings and flanges

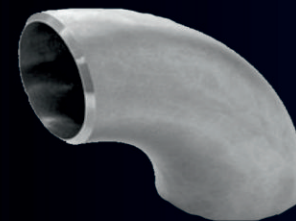
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PRODUCT RANGE

FORGED FITTING

Grades : Carbon Steel, Mild Steel, IS1239 Part II
Size : 1/4" NB TO 4" NB
Class : 1000#, 2000#, 3000#, 6000#, 9000#.
Types : Socket Weld and Threaded



BUTT-WELD FITTING

Grades : Carbon Steel, Mild Steel, IS1239 Part II, IS 3589
Size : 1/2" NB TO 24" NB (Seamless)
 1/2" NB TO 72" NB (Welded)
Sch : Sch. 20, Sch. 40, S/SD, S/60
 Sch. 80, Sch. 120, Sch. 160.

FLANGE

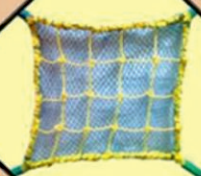
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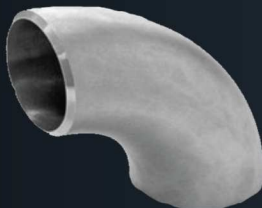


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PRODUCT RANGE

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Types	: Slipon, Blind, Weldneck, Socket-Weld, Spectacle Blind.



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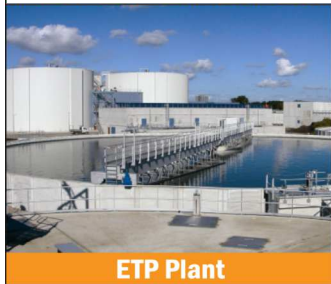
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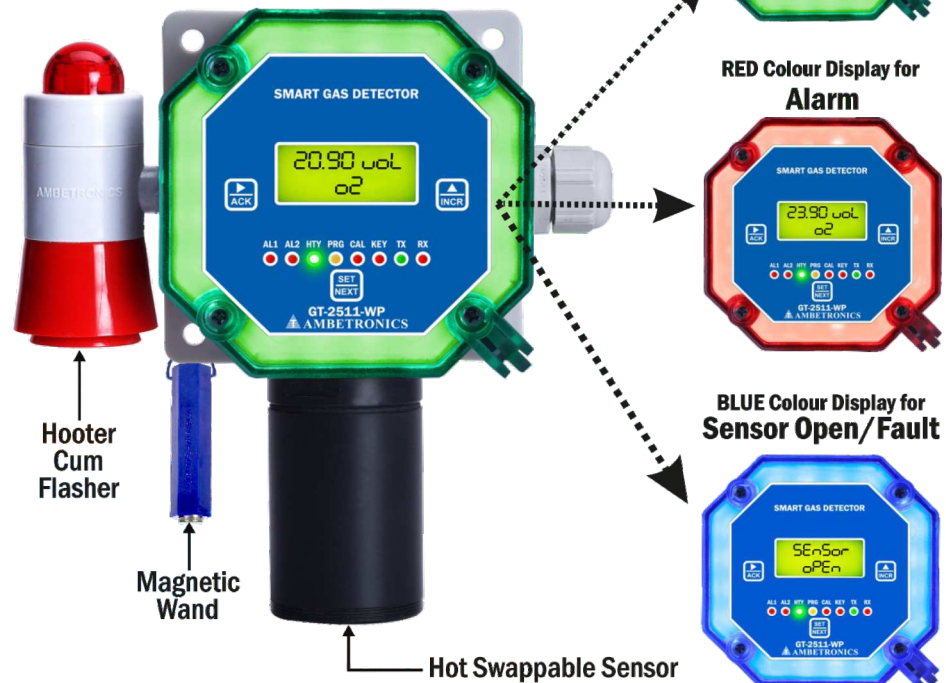
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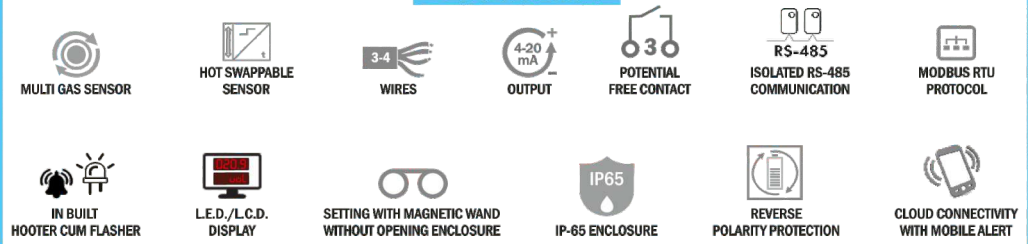


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MESSAGE *from* GUEST EDITOR



Dear Industry Colleagues,

Greetings!!!

Every industry has innovations, new developments & customized solutions to offer to the end customers. They have to be properly propagated to end users so that they can select best technology or product suiting to their specific requirements or needs.

Industry magazines, journals and business directories are the potent platforms to display the industry strengths at one platform. They are kind of mouthpiece of the industry which talk about the specific industry as a whole.

I am pleased that “The Fire, Safety & Security Post” (The FSS Post) qualifies the aforementioned criteria.

Safety industry is vast and growing exponentially. Indian safety industry is offering products and solutions par excellence. This magazine is one of those platforms which talk about the strengths of the industry.

It is also a medium where ideas from experts and industry come together.

I hope that industry will benefit from the efforts.

VIKAS BAJAJ

Director

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TÊTE-À-TÊTE WITH INDUSTRY LEADERS



Rendezvous with
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Director
Divya Enterprises



Mr. Rahul Sakhuja
Director
Free Fall Safety Industries



Mr. Manan Shah
CEO
Ambetronics Engineers
Pvt. Ltd.



Mr. Hemant Sapra
President
Global Marketing
Karam Safety Pvt. Ltd.

ARTICLES



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Kumar Prashar
Safety Professional



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



Amit Sharma
Director
Sanitech Engineers
& Consultants Pvt. Ltd.

CURRENT UPDATES



Blast in Firecracker Factory
in Harda (MP)



Firework unit blast in Sattur,
Tamil Nadu: 10 Dead, 6 injured



400 Fire Fighters Decorated in DFS



Fire at Police Training School
at Wazirabad

From the Editor



Dear Readers,
Greetings!!!

We are pleased to have "Mr. Vikas Bajaj" as Guest Editor for the edition. His credentials are impeccable in the industry. We will benefit from his excellence of decades and profound knowledge.

We thank Mr. Vikas Bajaj for considering our request to be our Guest Editor for this edition and taking out time from his busy schedule.

Our endeavor is to make this publication a potent platform where distinguished industry members to speak out their mind and a mode of medium to encourage B2B & B2C business.

We hope you all will appreciate our efforts.

Regards,

MAYUR LALIT

Editor



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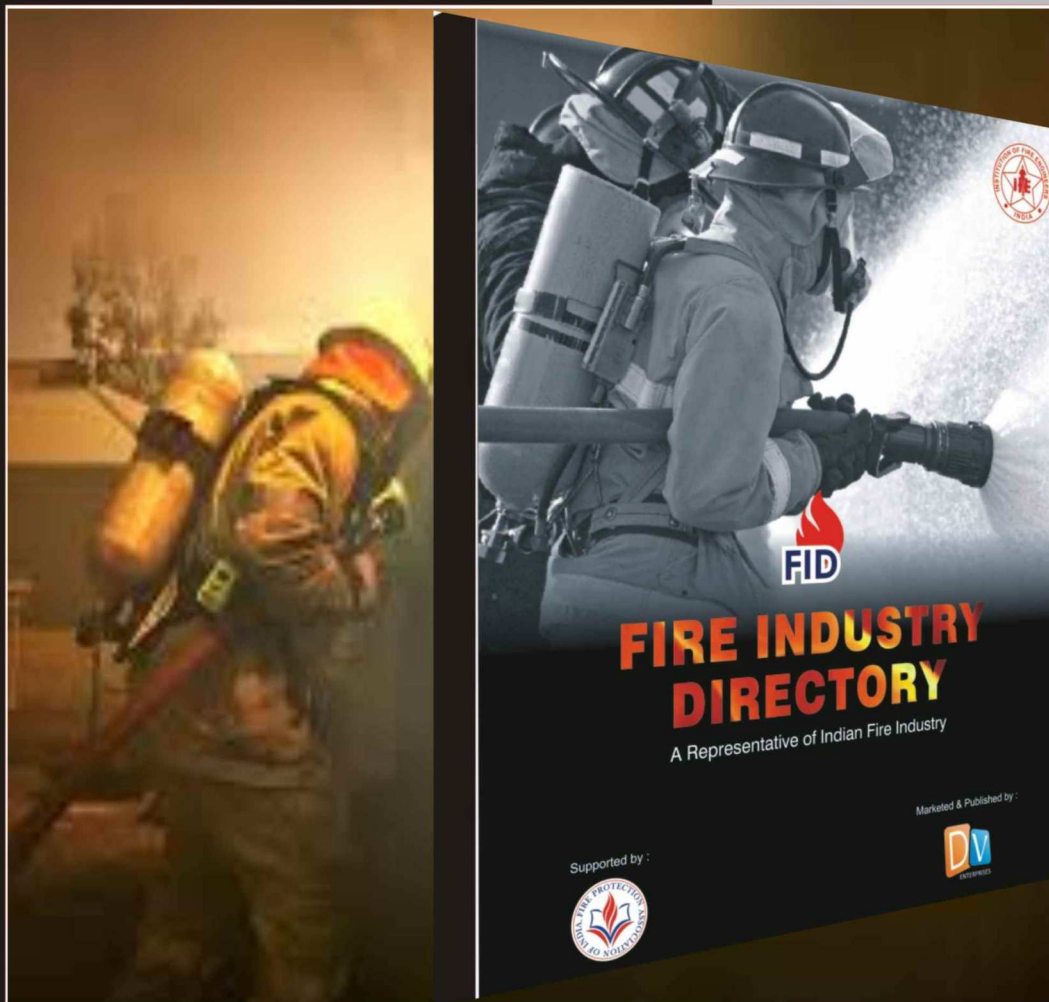
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Rendezvous with

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Mr. Mitul Bokadia
Vice President
United Forge Industries



“We feel pleasure to introduce ourselves as one of the leading manufacturer (M/s. United Forge) of Forge steel fittings Butt-weld Fittings and Flanges of the items mentioned below in major material grade i.e., Carbon steel& mild steel with respect to ASTM/ASME specifications required by the customer. We are dealing with various organizations since 15 years successfully.”

Q: Kindly tell us know about your company?

We feel pleasure to introduce ourselves as one of the leading manufacturer (M/s. United Forge) of Forge steel fittings, Butt-weld Fittings and Flanges of the items mentioned below in major material grade i.e., Carbon steel& mild steel with respect to ASTM/ASME specifications required by the customer. We are dealing with various organizations since 15 years successfully.

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Coupling (Full/Half)

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Plug

Bush

Nipple

Flange

Q: kindly do let us know the product range you offer in fire safety?

Forge Fittings:-size - 1/2" - 4" - Socketweld & Threaded

Class - 1000#, 2000#, 3000#, 6000# 9000#

Grade - ASTM A105, IS1239 PART II

Butt-Weld :- size - 1/2" - 24" Seamless S/40 - S/160 ASTM A234 WPB B16.9

SIZE - 1/2" - 6" IS 1239 PART II

SIZE - ABOVE 6" IS 3589

Flange:-size - 1/2" - 12"

Q: What certifications your products have acquired?

We're ISO 9001, ISO 14001, ISO 45001, certified manufacturer; our products are PED/2014/68/EU Certified.

Q: What is the quality policy you have to maintain the performance?

Our Quality policy:-

We are committed to achieve ever-increasing levels of customer satisfaction through continual improvements in the quality of our products & services.

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Deliver products to customers in the right quality on time, every time.

Provide compelling solutions to ensure that our customers succeed.

Continuous updating our technical competence.
Enhance the expertise of our people by periodic training.
Continuous improvements and upgrading our system.

Q: Which all countries you are exporting the products or do you have any plans?

We are exporting in Saudi Arabia & Qatar. However we are approaching in USA, Canada & Europe.

Yes, we are preparing documentations for Canadian Registration Number (CRN).



Q: What is the impact of pandemic on the business do you see?

Almost all the sectors have been adversely affected as domestic and exports demand. As we seen, the resultant lockdown due to COVID-19 took a toll on their revenues, throwing them in the face of an existential crisis. Production interruptions of raw material & spare parts. The ongoing spread of COVID-19 has seriously affected supply and demand in the supply chain. In production very affected due to lockdown and quarantine. However we have run the plant with proper followed guideline and complete our prestigious orders as stipulated time.

Q: India is aspiring 5 trillion economies and it has dethroned UK from its economic position. What future do you see of India and the fire industry?

India's economic growth, rapid industrialization, as well as growing commercial sector and real estate industry is further fuelling the demand for fire and safety equipment. According to the findings of TechSci Research, the country's fire & safety equipment market has a strong growth potential.

To keep pace with the growing demand, the fire, safety and security industry is evolving rapidly and offering innovative products. Industrial Safety Review analyses the key trends and innovations emerging in the fire, safety and security segment and the future growth prospects.

Q: What marketing strategy do you adopt to promote your product?

The act of creating attention for the brand or service through various mediums.

The step of generating interest to encourage buyers to want to know more.

Creating an emotional connection to the buyer so they want the product or like the brand.

The step when the buyer picks up a brochure calls to learn more or makes a purchase.

Once someone becomes a customer, the business turns its focus to satisfy the customer so they return and perhaps refer the company to friends and family.
Working with influencers.

Q: Any new product launch in the kitty?

No

Q: Any message for the readers?

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National Safety Day: Unveiling the Legacy and Shaping the Future

National Safety Day, observed on 4th of March every year in India, is not merely a date on the calendar; it is a call to action, a reminder of our shared responsibility to prioritise safety in our workplaces and contribute to building a safer India. By promoting a safety-first mind set, this observance aims to instill a sense of responsibility among citizens from all walks of life, towards their own safety as well as the well-being of those around them. While this helps save lives from being lost in unnecessary, unfortunate, undesired, and avoidable accidents, it also contributes to the overall well-being of individuals, organisations, society, and the nation at large.

While we celebrate this day with a lot of exuberance, many remain unfamiliar with its origin. In this article I shall attempt not only to elucidate the rationale behind celebrating the National Safety Day, its significance, and its history, but also to underscore essential principles and behaviours that each individual should adopt to promote a safe working environment and thus contribute to the collective effort of creating a safer India.

Rationale behind celebrating the National Safety Day:

Work-related accidents not only affect individuals, physically and emotionally, but also impact the overall productivity and well-

being of the nation. By dedicating a day to the cause of safety awareness, the initiative prompts reflection on existing safety practices, and encourages individuals and organisations to prioritise and implement measures that ensure a safe working environment.

This annual observance helps in fostering awareness and commitment towards occupational health and safety in the workplaces. It fosters a culture of safety consciousness by encouraging individuals and organisations to prioritise preventive measures and risk mitigation strategies, so as to collectively work towards creating safe working environments. It also serves as a reminder of the 'Human' and 'Economic' costs associated with accidents, emphasizing the need for pro-active safety measures. Most importantly, it also underscores the interconnectedness between 'Safety' and 'Productivity'.



Significance of the National Safety Day:

Celebrating National Safety Day in India holds immense significance as it serves as a dedicated occasion to prioritise and enhance workplace safety across the nation. This observance underscores the importance of fostering a culture of vigilance, prevention, and education in organisations. It acts as a catalyst for spreading awareness about safety measures, encouraging organisations and individuals to adopt best practices, and adhere to regulations. By emphasizing accident prevention and promoting a safety-centric mindset, National Safety Day contributes to the overall well-being of the workforce, fostering a safer and healthier working environment for everyone in the country.

History of the National Safety Day:

After independence, there was rapid industrialisation in our country, which also resulted in a massive increase in the number of accidents. At that time, there was no agency for guiding the industries on safety. In view of the rising trend of industrial accidents in the country, the Labour minister's conference in its 22nd session, in 1962, recommended setting up of a council, for conducting a campaign on accident prevention.

This recommendation was approved by the standing labour committee, which met on 13th February 1966, under the chairmanship of Shri Jagjivan Ram. The proposal concerning the constitution of a council was adopted on 4th March 1966 by the ministry. The National Safety Council was thus founded, as a non-profit body, committed to promoting safety and preventing accidents across various sectors. Subsequently, it was decided that this day, i.e., 4th March, should be celebrated as 'National Safety Day', every year, to mark the foundation day of the National Safety Council of India.

Since 1972, the National Safety Day celebrations are being spearheaded by the National Safety Council of India, throughout the country. One of the key aspects of National Safety Day is the promotion of a safety culture. This involves instilling a mindset that prioritises safety in all aspects of work. Safety culture encompasses attitudes, beliefs, perceptions, and values regarding safety within an organisation. When everyone in the workplace shares a commitment to safety, it significantly reduces the likelihood of accidents and incidents.

The objectives of the National Safety Council include:

1. To take the HSE movement to different parts of the country.
2. Remind employers, employees, and all others concerned, of their responsibility in making the workplaces safer.
3. Promote participative approach by employers by involving their employees in all HSE activities.
4. Promote development of need-based activities, self-compliance with statutory requirements, and professional HSE

management systems in the workplaces.

Since its inception, National Safety Council has significantly contributed to reduction in the rate of industrial accidents, and created widespread safety awareness even in such sectors, which have not been covered by any safety legislation.

Celebration of the National Safety Day and Week, affords us an opportunity, not only to develop a 'Positive Safety Attitude', but also to re-dedicate ourselves to the cause of safety, and help create a 'Preventive Safety Culture'.

Role of individuals in promoting a safe work environment:

Creating a safe workplace is a shared responsibility that involves both - the employers, as well as the employees. While employers play a crucial role in setting the tone for safety by implementing robust safety policies, providing proper training, and maintaining a hazard-free environment, employee involvement is equally vital, as each of us plays a pivotal role in shaping the safety culture within our workplaces.

Let's delve into some concrete steps that we, as individuals, must embrace to ensure a safe workplace and contribute to building a safe India.

Education and Awareness:

One of the fundamental pillars of workplace safety is 'Education', which forms the foundation for a robust safety culture. Our ability to make informed decisions to mitigate risks, hinges on our awareness of potential workplace dangers. Therefore, it is incumbent on each of us to actively seek and educate ourselves about the potential hazards in our workplace and the safety protocols needed to be ensured to overcome the same. We must not only attend safety training sessions provided by our workplace, but also seek additional relevant resources on our own, to enhance our safety knowledge and skills.

Adherence to Procedures:

Safety procedures and guidelines are framed to safeguard individuals and ensure a safe workplace. As such their compliance should be non-negotiable. Whether it is following safety protocols, or reporting unsafe behaviours or conditions, taking personal responsibility forms the backbone of a safe workplace. We must not only take personal responsibility for our own safety, but also the safety of our colleagues. When we internalise this responsibility, we contribute to a culture where safety is not just a rule, but a shared value.

Communication:

A culture of safety thrives on open and effective communication, as it fosters a collaborative environment where safety is a shared value. We must promote open communication regarding safety concerns and incidents.

When employees feel free to voice concerns, report hazards, and share insights, without fear of reprisal, a culture of transparency emerges. Effective communication ensures that safety protocols are clearly understood, reducing the likelihood of misunderstandings, that could lead to accidents.

Participation:

Being pro-active in identifying and addressing risks is the key to preventing accidents, as it allows for the implementation of preventive measures before they lead to accidents. Our attention to detail can contribute not only to a safer working environment for ourselves, but our colleagues as well. This calls for us to not only be constantly vigilant about potential hazards in the workplace, but also attempt to correct them. If it is not possible, it must be communicated to the relevant authorities immediately.

Collaboration:

Collaboration is a powerful force in ensuring workplace safety. We must not only work collaboratively with colleagues to identify and address safety issues, but we must also actively engage with the safety committees within our organisation, as they encourage collective efforts to address safety concerns. By collaborating with individuals and safety committees, we can contribute to shaping policies that benefit everyone in the workplace.

Reporting:

Timely reporting of unsafe conditions, near misses, or incidents serves as a pro-active mechanism, allowing swift identification and rectification of potential hazards before they escalate. Reporting creates a feedback loop, enabling organisations to analyse trends, implement preventive measures, and continuously enhance safety protocols, which not only prevents the recurrence of incidents, but also promotes a culture of accountability and vigilance amongst employees. This collective effort to report and address potential risks, contributes significantly to maintaining a safe and accident-free working environment.

Emergency Preparedness:

Emergencies never come with a warning. Being prepared, therefore is crucial, as it can save lives as well as minimise damages. We must not only familiarise ourselves with the emergency protocols, but also participate actively in emergency drills, as being prepared can make a significant difference in minimising the impact of unforeseen events.

Safety Leadership:

Assuming safety leadership is a pivotal step towards enhancing workplace safety. A safety leader not only sets a positive example but actively cultivates a culture where safety is prioritised by all. By championing safety initiatives, a safety leader empowers employees to be pro-active in identifying and mitigating risks. This

not only prevents occurrence of accidents, but also creates a resilient workforce, capable of adapting to changing safety requirements. Through a commitment to safety leadership, organisations foster an environment where every team member becomes an advocate for a safe and healthy workplace.

Never Walk Past:

Never walking past an unsafe behavior or condition is a powerful commitment to improving workplace safety. This pro-active approach involves actively intervening when witnessing potential hazards, which helps foster a culture where every individual becomes a vigilant guardian of workplace safety. This collective effort not only mitigates risks, but also establishes a culture of mutual accountability, reinforcing the importance of a safe working environment. The significance of 'Never Walk Past' becomes apparent as neglecting an unsafe act or condition may lead to someone getting injured or even killed. Conversely, by walking past a safe act, we overlook the chance to promote and strengthen a culture of safety.

These practices, when embraced collectively, will not only contribute to creating a safe working environment, but also fostering a culture of safety. By implementing and promoting these principles at both - individual and organisational levels, we will not only contribute to creating a workplace that prioritises the well-being of every person, but also contribute to building a safer India.

In conclusion, I would like to add that the National Safety Day transcends mere celebration. It not only serves as a reminder to pause, reflect, and reassess our commitment to creating and maintaining safe working environments, but also to rededicate ourselves to the paramount cause of safety.

As we celebrate the National Safety Day, let us embrace the profound responsibility we bear for our well-being and that of our colleagues. Instead of confining the essence of the National Safety Day to a single day or week, let us integrate the principles of safety into each action and decision in our daily endeavours. By fostering a culture which thrives on a collective commitment to safety, we not only sow the seeds of a safe workplace, but also for 'Making India Safe'.





Divya Enterprises



Mr. Pradeep Mandre
Director
Divya Enterprises

“Our first introduction in manufacturing was with bladder vessel .which was for surge protection of water and sewage pipe lines. This product was brought from France till then.”

Q: Kindly let us know about M/s Divya Enterprises?

M/s Divya Enterprises is a partnership company formed in year 2004 by enthusiastic engineers. We were in field execution for the initial span of 10 years dealing with project works related to water/sewage pumping. We have handled many large pumps during this period.

Since year 2013, we have moved to manufacturing base with intention to convert our experience in to products useful to our water industry. Our first introduction in manufacturing was with bladder vessel which was for surge protection of water and sewage pipe lines. This product was brought from France till then.

We are presently having a manufacturing facility in industrial area with a plot size of 13000 sq. ft. We have 6 engineers and 24 workforces on payroll. We have 60 HP connected power from MAHATRANSCO.

Q: What products range you offer to the Indian fire market?

We are associated with M/s Sterling & Wilson, a leading contractor for fire fighting in industry. We have been supplying following products to the fire industry in specific:

- Foam Storage Tank,
- Foam Bladder Tank
- Foam Tank with Proportionate
- Fire Tower Monitors

- HVLR Towers
- Pre-fabricated valve/pipelines
- Caisson pipes
- Pipe supports
- Dismantling Joints
- Water Storage Tanks
- Orifice Plate

Q: What are your Flagship Brands?

Our expertise is in three main areas:

Caisson pipe design: Manufacturing and erection in sea. We have supplied around caissons for various projects. Almost all ports of Aadani have our Caisson pipes protecting the VT Pumps (Heart of fire fighting system) mounted in Sea. We have special accessory design for strainers cleaning and chemical dousing at bell mouth level. These caisson pipes are made in material ranging from SS316 L to super duplex steel.

Design, manufacture, supply and erection of Towers up to 20 meters height. We have supplied this in both welded and bolted construction. For corrosion resistant painting and galvanizing, these are erected to prime location like JNPT. They can be in structural steel or pipes as per Client's requirement

Foam Storage Tanks: They are designed and fabricated in SS316L. They are manufactured in sizes from 1000 liters to 20,000 liters. They are supplied with rubber bladder or



Divya Enterprises

Q: Can you tell us about the production facility?

We are having an industrial plot of 13000 sq. ft. on lease. Our employee strength is 25 ranging from helpers to "A" Class welders and fitters. We have six engineers led by our partner with nine years of experience. Our marketing team is led by a veteran with 40 years of experience. Besides this we have support staff of 5 for stores, accounts, drawing etc.

The list of equipments is attached for reference: Our manufacturing facility is ISO 9001-2015 accredited by IR Class and are also certified ZED Bronze. We are MSME with Udyam Aadhar registration and also registered with GEM Portal.

Q: What promotion strategies you adopt?

We are not doing any promotional activity as on date and our customers speak for us.

Q: How much market size growth you see in coming 5 years?

We are presently 10 Cr. Company and wish to do 60 Cr. In next 5 years. We are planning to launch some special patented products in the near future to achieve the projections.

Q: How Government policies are compliant to your line of business?

Government policies are formulated once for safety for all location. The levels are different but, are required to be followed stringently. For us the Government policy such as creation of ports at various locations helped us in promoting our business in Caisson Pipe. Similarly the foam protections required for oil and chemical industry are favorable to us to promote the foam tank fabrication.

Q: Are you exporting to other Countries?

We are exporting our products to African countries but they form a part of different vertical and not relevant to fire protection business.

Q: What are expansion plans in next 2 years?

Our plans for expansion are to increase the reach to various users and contractors. We also have plans to develop some new products which will enhance the safety of the fireman and humans and property in a unlikely event of fire. The product is in preliminary stage of concept conversion.



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“Free Fall Safety Industries has more than a decade of presence in the industry. With the perfection and quality of our product range we have acquired good position in the market.”

Mr. Rahul Sakhluja
Director,
Free Fall Safety Industries



Q: Kindly tell us about “Free Fall Safety Industries”?

Free Fall Safety Industries has more than a decade of presence in the industry. With the perfection and quality of our product range we have acquired good position in the market.

We were in the business of safety and idea to venture in the manufacturing safety harnesses kicked off to see the demand and supply gap.

Since we were in connect with the direct end customers based on our experience we thought to produce quality products with affordable price and also to offer customized range to facilitate the end consumer.

So today we are producing safety harness, fall arresters, safety nets, rope ladders, fire blankets and foldable stretchers.

We also offer customized solutions as per the specific demand of the buyers.

Q: What is the quality policy of your company?

Our products are ISI certified. That itself is a quality statement by the government body which is officially authorized. As you know before ISI certification is acquired the product and procedure has to go through a rigorous process to prove its quality.

We also have internal test lab facility which is in accordance with suggested guidelines. Over and above highly skilled professionals are on the board to check and ensure the quality of each batch.

Q: Can you tell about the range of safety harness?

We offer full body harness solutions. Product ranges we offer are ISI and EN compliant.

As per ISI standard we have FF-16 (Class – A), FF-18 (Class L), FF-19 (Class E), FF-16 (A+ EA), FF-18 (L+EA), FF-17 (Class P).

As per EN standard we offer FF-560, FF-560, FF-565, FF-500, FF-420, FF- 220. Our CE certified products are another quality assurance for our customers.

Q: Safety hooks are also part and parcel of harness, what range you offer of the same?

Our safety hooks are also CE certified and we also assure about the quality of hooks we produce.

We offer FF-117, FF-121, FF-120, FF-122, FF-119, FF-151, FF-118, FF-900 certified hooks.

Q:: Can you for the sake of our knowledge tell us about safety harness and fall arrester?

Safety harness is equipment one wears for the fall protection whereas fall arrester is a mechanism that helps to perform specific job i.e. it arrest the worker in case of falling from the height.

Q: What range of fall arrester you have?

Our fall arrester range is also CE certified. Our range is FF-850, FF-950, FF-450, FF-401, FF-4020, FF-431, FF-460.

The range is offering solutions to the verities of job to perform. Fall arresters are "Rope Grab", "Steel Wire Rope Grab", "Single Aluminum Anchorage Pulley", "Grip Descender", "Rope Clamp Ascender", "Aluminum Double Pulley Double Side Attachment" etc.

Q: What other product range you have?

We manufacturer Rope Ladder, Safety Nets, Rope Protectors, Tool Lanyard, Tool Bag, Foldable Stretcher & Fire Blankets.

We have launched new product "Rope protectors". That is our R&D product and the response to our new product in the market is tremendous.

Q: Another product range is "Fire Blanket", let us know about it?

In our portfolio we have fire blankets also. We have standard size and we also customized it as per the requirement.

Our fire blanket range is known for its superior quality. It is available in fiber glass material. We offer range in thickness of 0.3mm, 0.5mm & 0.8mm.

Q: Can you also tell about the range of ropes & safety nets ladders you have?

We are very pleased to let you inform that this range has a very stronghold position in the demand of our product range.

Ropes manufactured are CE certified FF-421, FF-621, FF-700, FF-750, FF-621, FF-750, FF-721, FF-8171 EA, FF-4171 EA, FF-3171 EA, FF-5171 EA, FF-7171 EA etc.

The usage involves Bungee Jumping & Mountain Climbing with customized solutions.

As far as rope ladder is concerned we have a very strong market and well known for the same. We use ISI certified ropes in manufacturing rope ladders. We have FF-353, FF-253, FF-251 & FF-653.

We also provide safety nets which are ISI certified. We offer FF-201, FF-202, FF-203, FF-204 & FF-205.

Q: Any expansion plans for the company?

Yes. We have plans to add more range to our product portfolio.

Q: How government policies are helping for the growth of your business?

Certainly policies are agreeing with the business environment. We look forward to government to keep the pace with infra-structural development projects. That will help to grow business more.

Q: What is your view for the market growth in coming 3 years?

Safety is a growing market but competition is stiff. But the growing market size is able to accommodate all.

So in nutshell we can say in coming three years we will see a good growth of safety market.

Q: Any message for the readers?

My message to the readers is that safety is necessity and not a compulsion. Always buy quality equipment and they will guarantee you the safety.

MESMERIZING JOURNEY OF “FIRECHEM”



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

“Fire Safety Devices Pvt. Ltd.” whose brand “Firechem” is today a stands tall and an esteemed name in the fire industry in India. “Firechem” is one of the leading names in fire extinguishing chemical & foams manufacturers.

“Firechem” is one of the pioneers in the fire industry and not only well known brand name in India but also creating ripples in the international market as well.

The inspiring journey of “Firechem” is a case study today because the exponential growth story as we see today is exemplary and shows that a small idea with right vision & approach coupled with hard work make small entrepreneur to a big organization.

In 1985, the company “Fire Safety Devices” was established. Initially, the company ventured in the maintenance & refilling of fire extinguishers in Faridabad, Haryana. Soon the service quality arrested the attention of the customers and the company became popular.

Under the visionary entrepreneurship of Mr. Parag Parekh, the youngest Director of the company whose love for chemistry was infallible. His inclination for Chemistry & Chemical inspired him for

the further expansion of the business. He wanted to do something with out of box thinking.

Mr. Parag did a market study by himself & realized that no fire fighting chemical company was present in northern belt of India. There he saw an opportunity. In 1995, first “Dry Chemical Powder” was introduced in the market, which was BIS certified (ISI Mark) by the brand name of “Freeze Fire”. Because of its quality its response by the users was overwhelming. This step was a game changer for the company.

Gradually the demand for other fire fighting chemical was raised in the market. In the year of 1999, AFFF (Foam) ISI certified was introduced by the name of “Firechem” & that is how this existing brand name came in existence.

By 2005 Indian fire market witnessed a lot of changes. International certifications were introduced and demand for international certified product soared. The company assured of its product quality decided to testify its quality of products as per international standards.

“Firechem” (AFFF) successfully acquired UL Certification in that year. The quality assurance was even stronger. User segment overwhelmingly responded as “Firechem” was the first brand to obtain UL Certification in the north India. Not to mention that “FSD” was one of the few initial manufacturers in India.

The company kept on going with quality and serving customers with utmost satisfaction. In the year of 2006-2007 expansion plans were on the table again. Under the patronage of Mr. Bharat Bhai Parekh, Mr. Dhiren Bhai Parekh & Mr. Ashish Bhai Parekh reached to a consensus & combined decision to make their reach to international arena. They thought that it would not only be the expansion of the company but also broaden the horizon for the industry. “Fire Safety Devices Pvt. Ltd.” initiated exporting “Firechem” and today they are covering Gulf countries, Africa, South America and Asian countries.

Further to that the company added “Firechem Fire Extinguishers” in 2018-2019 to its portfolio. Future diversification plans are on the card as company is all set to introduce “Firechem Fire Suppression

System”. Another milestone achievement is on the way.

The next generation also has joined the hands in the business and amplify the business prospects. Another vertical of business has been 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.

This anecdote is mesmerizing and truly inspiring for many.

“We work hard with faith & vision combined with proper planning and research. We give our best to satiate our customers. Today when we look back it feels that these are events of just yesterday. But we have come a long way and still a long way to go” added Mr. Dhiren Parekh.

From the Album: 1930s Stutz Fire Truck, California





PROMOTION

OF **FID** **FIRE INDUSTRY DIRECTORY**

ON VARIOUS PLATFORM



an **FIRE** Elemental Awe



fire The most commonly used but the most volatile natural element ever known to us. Man had discovered Fire coincidentally with a strike of two rocks, sometime in the Old Stone Age, and was shocked by what appeared before him. A “thing” very bright, very attractive but absolutely un-ordinary. But as he examined this strange thing closely, he was amazed by the fact that this thing produces light, and enables him to see in the dark. But when he tried to touch it, he discovered that this thing even hurts. He got a burn injury which pained him for days together. Then he learned to stay away from it at a considerable distance, and also that it has immense heat in itself. Then it also came to his notice that if left unattended, this thing incinerates everything that comes in its way. His playfulness and toying with his new discovery had cost him dearly, sometimes burning away his attire and sometimes burning away his shelter. Whenever any such incident happened, he tried to put out the Fire with whatever possible means he had. This was the early Fire Fighting System.

Now man had become aware of the true nature and the vital characteristics of his discovery, and he became more cautious and started planning ways to tame his amazing discovery, the Fire. Man prepared himself to keep it in a controlled manner while using it for beneficial purposes. This was the point where the concept of an early Fire Protection System came into existence..

As times passed, we humans depended on Fire for our daily needs, the most common of them being cooking and illumination in the dark. But, as discussed earlier, Fire was a very useful thing but destructive in nature too. Humans soon understood that if they wanted to benefit from it, then they had to take all the necessary protective measures, and hence started adapting to such methods. And as time passed, and as man progressed in all the other aspects of his livelihood, he progressed in the usage of Fire and means to contain it within safe limits.

Today we have progressed so much in the field of Fire Fighting System and Fire Protection System, that we have a whole course of study on this vast and globally discussed subject. To

Amit Sharma
Director



understand this subject more specifically, it is divided into a number of categories, some of which are as follows:

Firefighting System
Fire Protection System
Fire Prevention System
Fire Suppression System
Fire Alarm System
Smoke Detection System

For everyone, from individuals, companies, to communities; fire safety is a top priority. To ensure the safety of persons and property, it is imperative to comprehend the distinction between fire prevention and fire protection.

Although the terms may initially appear interchangeable, they refer to different approaches and precautions taken to reduce the likelihood of fire and lessen its effects.

Firefighting System

Firefighting System mainly consists of Fire Sprinkler System, Fire Hydrant System, Fire Suppression, System, Fire Alarm & Public Address System & Smoke Detection System.

Fire Sprinkler System

By connecting fire sprinklers to a water distribution piping system via a water supply system that offers enough pressure and flow rate, a fire sprinkler system is an active fire protection approach. Systems that were formerly only fit for usage in factories and large commercial buildings are now fairly priced for homes and smaller structures. The fact that more than 40 million sprinkler heads are deployed each year shows how commonplace fire sprinkler systems are across the globe. Fire sprinkler systems are usually designed to save lives, while they are not always intended to protect the building. When a fire broke out in a structure that had sprinkler systems installed, the sprinklers alone were in charge of putting it out in 96% of cases.

Fire sprinkler temperature ratings and color code table

Temperature classification	Temperature rating		Color code		Max ceiling temperature
	Fahrenheit (°F)	Celsius (°C)	Sprinkler frame	Glass bulb	
Ordinary	135 ~ 170	57 ~ 77	Unpainted or black	Orange-135°F (57°C)	100°F (38°C)
				Red-155°F (68°C)	
Intermediate	175 ~ 225	79 ~ 107	White	Yellow-175°F (79°C)	150°F (66°C)
				Green-200°F (93°C)	
High	250 ~ 300	121 ~ 149	Blue	Blue-250°F (121°C)	225°F (107°C)
				Blue-286°F (141°C)	
Extra high	325 ~ 375	163 ~ 191	Red	Purple-325°F (163°C)	300°F (149°C)
				Purple-360°F (182°C)	
Very extra high	400 ~ 475	204 ~ 246	Green	Black	375°F (191°C)
Ultra high	500 ~ 575	260 ~ 302	Orange	Black	475°F (246°C)
Ultra high	650	343	Orange	Black	625°F (329°C)

A heat-sensitive glass bulb or a two-part metal link secured with fusible alloy holds each closed-head sprinkler closed. The pipe cap that serves as a plug to stop water flow is held in place by the glass bulb or link until the surrounding air temperature meets the sprinkler head's design activation temperature.



When the set heat level is attained, each sprinkler in a typical wet-pipe sprinkler system operates independently. As a result, only sprinklers that are close to the fire's heat, usually just one or two; will turn on. In addition to minimizing water damage to the building, this maximizes water pressure over the fire's origin. Typically, a fire department hose stream will cause more water damage than a sprinkler activation.

Fire Hydrant System



The foundation of any fire hydrant system is a well-thought-out and well-designed firefighting system, which is one of the most traditional, popular, and successful firefighting solutions. It is made up of robust above- and below-ground pipework and accessories. There are fire escape and external hydrant valves at each key point. A fire hydrant is a conduit that, when a valve is opened, permits water to flow from a water main to put out a fire.

The purpose of the Fire Hydrant Protection System is to combat large-scale fires in all risk categories. It is intended to continue working even in the event that a portion of the impacted structure collapses.

Fire hydrant installation consists of a system of pipe work connected directly to the water supply main to provide water to each and every hydrant outlet and is intended to provide water for

the firemen to fight a fire. The water is discharged into the fire engine from which it is then pumped and sprayed over fire. Where the water supply is not reliable or inadequate, hydrant pumps should be provided to pressurize the fire mains. The pipe network is always under water pressure. When operated for fire extinguishing it will immediately feed water supply & main hydrant pump will be started automatically.

To meet with minor leakages jockey pump is installed which maintains the pipe network under pressure. On drop of pre-set water pressure due to leakages or any other reason, jockey will operate automatically & stop at a preset pressure.

On actual fire operation jockey pump being of small capacity cannot maintain the pressure hence main pump will be operated automatically & supply the rated water quantity to the system. The system being automatic immediate water supply will be available from all hydrant post. A typical hydrant installation fed directly from JBA water main and pressurized by fire pumps is shown as below.



Difference Between Fire Prevention and Fire Protection

Fire prevention and protection are two essential aspects of fire safety that work together to minimize the risk of fires and their potential consequences. While they are related, they have different focuses and approaches:

Fire Prevention:

Fire prevention refers to the measures and strategies implemented to prevent fires from starting in the first place. These include proactive steps to reduce the risk of fires by eliminating potential ignition sources and promoting safe practices. Fire prevention consists of the actions you take outside of your fire protection systems to help prevent a fire from occurring. The prevention really occurs before a fire occurs, while the protection is for during a fire emergency. While there are many ways to bring fire prevention into the workplace, we've pulled together a few of the most common, and most essential parts of your fire prevention plan.

Implementing fire safety education and awareness programs. Regularly inspecting and maintaining electrical systems, heating equipment, and appliances. Enforcing smoking policies and designated smoking areas. Proper storage and handling of flammable materials and chemicals. Ensuring adequate housekeeping and eliminating clutter, especially near potential ignition sources.

Fire Protection:

Fire protection, on the other hand, refers to the systems, measures, and equipment put in place to minimize the damage caused by fires when they do occur. These measures help detect, control, and suppress fires, ensuring people's and property's safety. Examples of fire protection measures include:

Installing and maintaining fire detection systems such as smoke detectors and fire alarms. Implementing fire suppression systems like sprinklers, clean agent systems, or gaseous fire suppression systems.

Providing and maintaining portable fire extinguishers. Designing and constructing buildings with fire-resistant materials.

Passive Fire Protection:

Systems for passive fire prevention are stationary objects intended to stop smoke and fire from spreading.

By containing the fire in its original location, these devices help prevent it from spreading throughout the entire building.

Active and passive fire safety technologies work together to help put out fires more quickly and prevent further damage.

They can also be employed to direct the flames outside the structure. Passive fire protection technologies make it simpler to put out fires when they do occur.

Most of these fire safety measures are integrated into the structure of your building. It takes a lot of careful preparation when trying to build or modify a house to make sure your structure includes these passive fire protection features.

Active Fire Protection:

There is some sort of action occurring when using an active fire protection (AFP) system. These systems activate automatically or manually as soon as they detect heat, smoke, or fire. These systems are intended to assist in battling and extinguishing the fire.

In summary, fire prevention focuses on stopping fires from occurring, while fire protection focuses on minimizing the impact of fires when they do happen.

Both aspects are essential for a comprehensive fire safety strategy, and it is important to implement and maintain both in any residential, commercial, or industrial setting. Understanding the difference between fire prevention and fire protection is crucial for ensuring comprehensive fire safety.

Fire prevention focuses on proactive measures and strategies to stop fires from starting. In contrast, fire protection aims to minimize damage and ensure people's and property's safety when fires occur.

Both elements are essential and should be implemented in any residential, commercial, or industrial setting.

Fire Suppression System:

The only goal of a fire suppression system is to extinguish the fire as quickly as possible. Once residents are alerted to the presence of a fire, the system begins releasing concentrated material to suppress the flames.



The exact nature of this material may vary depending on the

environment the system is intended to protect.

Common examples include carbon dioxide and inert gases, as well as various liquid and dry chemicals. One of the features of the fire extinguishing system is that it does not use water. The only exception is the water mist suppression system.

We will discuss this in our article on fire protection and suppression techniques. For this reason, fire extinguishing systems are often used in rooms that are particularly susceptible to water damage, such as rooms where a lot of electrical equipment is installed. Galleries and museums usually contain highly valuable and fragile materials, so fire extinguishing systems are often installed in these as well.

Fire extinguishing is the last resort to prevent the spread of fire. In this context, fire prevention, protection and extinguishing can be understood as a three-stage process, with each stage containing specific measures for fire prevention and extinguishment. Therefore, it is your responsibility to regularly check and assess every part of your system so that you can quickly identify risks and correct any damage or omissions.

Fire Alarm & Public Address System:



A building system that detects and notifies residents and emergency personnel of the presence of smoke, fire, carbon monoxide, or other fire-related emergencies is called a fire alarm system. Most business buildings are required to have fire alarm systems. These could consist of manual fire alarm activation devices, heat detectors, and smoke detectors that are all connected to a Fire Alarm Control Panel (FACP), which is often located in an electrical room or panel room.

Typically, visual and audio signalization are used by fire alarm systems to alert building inhabitants. Elevators are generally dangerous to operate during a fire, however some fire alarm systems have the ability to turn them off as well.

The alarm can be either an electric bell or a wall-mountable sounder/horn. They may also flash a speaker to sound an alarm, followed by an audio evacuation message with clear instructions on what to do. Fire alarms can be set to specific frequencies and different tones, such as low, medium, or high, depending on the country and manufacturer of the equipment. Most European fire alarm systems sound like sirens with varying frequencies. Electronic fire alarms are called horns in the United States and Canada and can sound continuously or be set to different codes. Fire detectors can also be set to different volumes.

Notification devices use auditory, visual, tactile, text, and even olfactory stimuli (odorants) to alert people to the need for evacuation or action in the event of a fire or other emergency.[15][16] Warn residents. Evacuation signals can be simple devices that transmit unencrypted information, coded devices that transmit predetermined patterns, and/or audio and visual text such as live or recorded instructions or light message displays. Consists of devices that send information. Some notification devices are combination fire alarm/general emergency notification devices that provide fire and general emergency notification from a single device.

Smoke Detection System:



A smoke detector is an electronic fire-protection device that automatically senses the presence of smoke, as a key indication of fire, and sounds a warning to building occupants.

Commercial and industrial smoke detectors issue a signal to a fire alarm control panel as part of a building's central fire alarm system. By law all workplaces must have a smoke detection system.

Household smoke detectors, or smoke alarms, issue an audible and/or visual alarm locally from the detector itself. They can be battery-powered single units or several interlinked hardwired (mains-powered) devices backed up by batteries. The latter must be installed in all new buildings and after major refurbishments.

There are two basic types of passive smoke detectors: photoelectric (optical) and ionization (physical process). A combination of the two types of alarm (dual sensor smoke alarm) is recommended for maximum protection from both fast flaming and slow smoldering fires.

Combined optical smoke and heat alarms and combined smoke and carbon monoxide alarms are also available.

A photoelectric detector senses sudden scattering of light when smoke enters the detector chamber, triggering the alarm.

Photoelectric smoke detectors respond an average of 15 to 50 minutes faster to fire in its early, smoldering stage, before it breaks into flame than ionization alarms. They can be installed near kitchens. Some dual optical models are available.

Ionization smoke alarms are highly sensitive to small smoke particles and typically respond about 30 to 90 seconds faster to fast flaming fires than photoelectric smoke alarms, but not to smoldering fires.

They may be too easily set off if they are installed too close to kitchens, or garages.

Ionization alarms carry a small amount of radioactive material between two electrically charged plates, which ionizes the air and causes current to flow between the plates. When smoke enters the chamber, it disrupts the flow of ions, thus reducing the flow of current and activating the alarm.

The appropriate type of smoke detector must be installed to avoid them being disabled because dust or condensation sets them off falsely. A more appropriate detector, such as UV or infrared system which is not triggered by particles, should be installed if that is the case.

Fire Equipment Certifications:



UL Certification:

What is UL Certification and Why is it Important?

If you own a business, then the safety of your employees and customers should be your number one priority. It is crucial that the equipment your employees and customers surround themselves with on a regular basis is working properly and more importantly, manufactured and installed correctly to avoid malfunctioning and unwanted injuries. How exactly do you know if it is and how can you be sure? That answer is a lot more simple than you can imagine: you only purchase and install UL Certified equipment.

What is UL Certification?

Underwriter Laboratories (UL) is one of the oldest safety certification companies around. They certify products, facilities, processes or systems based on industry-wide standards. By doing so, they issue over twenty different UL Certifications for a wide-range of categories. Certain UL Marks are country specific and will never be used or seen in the United States and vice versa. There is no such thing as general UL approval, instead they break up their certification into being listed, recognized, or classified.

UL Listed Service is given to manufacturers that produce products that meet UL's standards and gives the manufacturer authorization to test products and apply the UL mark themselves.

UL Recognized Service is applied to products used to produce another product, which indicates that it is safe to use in further production and it is not a mark that is seen on an end product.

UL Classification Service can be placed on products by a manufacturer that makes products that comply with UL's standards and maintains follow-up with UL to ensure quality and accuracy.

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FM Approvals certifies products and services with a unique focus on:

Objectively testing property loss prevention products and services and certifying those that meet rigorous loss prevention standards.

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Fire Extinguishers & Classes of Fires:

There are four classes of fires:

Class A: Ordinary solid combustibles such as paper, wood, cloth and some plastics.

Class B: Flammable liquids such as alcohol, ether, oil, gasoline and grease, which are best extinguished by smothering.

Class C: Electrical equipment, appliances and wiring in which the use of a nonconductive extinguishing agent prevents injury from electrical shock. Don't use water.

Class D: Certain flammable metallic substances such as sodium and potassium. These materials are normally not found in the Medical Center.

Class K: Used in kitchens on grease fires.

FIRE EXTINGUISHERS' SYMBOLS, CLASSIFICATIONS & AGENTS		
Classification & Color Code	Class of Fire	Extinguishing Agent
A	CLASS A Fire involves common combustibles such as Wood, Paper, Cloth, Rubber, Trash and Plastics.	ABC Dry Chemical (Multipurpose) Halotron Water Foam
B	CLASS B Fire involves Flammable Liquids, Solvents, Oil, Gasoline, Paints, Lacquers and other Oil-Based products.	ABC Dry Chemical (Multipurpose) BC Dry Chemical (Regular) Purple K Carbon Dioxide Halotron Foam
C	CLASS C Fire involves Energized Electrical Equipment such as Wiring, Controls, Motors, Machinery or Appliances.	ABC Dry Chemical (Multipurpose) BC Dry Chemical (Regular) Purple K Carbon Dioxide Halotron
D	CLASS D Fire involves combustible metals such as Magnesium, Lithium and Titanium.	Dry Powder
K	CLASS K Fire involves combustible Cooking media such as Oils and Grease commonly found in commercial Kitchens.	Wet Chemical

Fire Extinguishers:

Fire extinguishers are classified as types A, ABC, BC or K. It is important to use the right type of extinguisher on the specific class of fire to avoid personal injury or damage to property. The wrong type of extinguisher could cause electrical shock, explosion, or spread the fire.

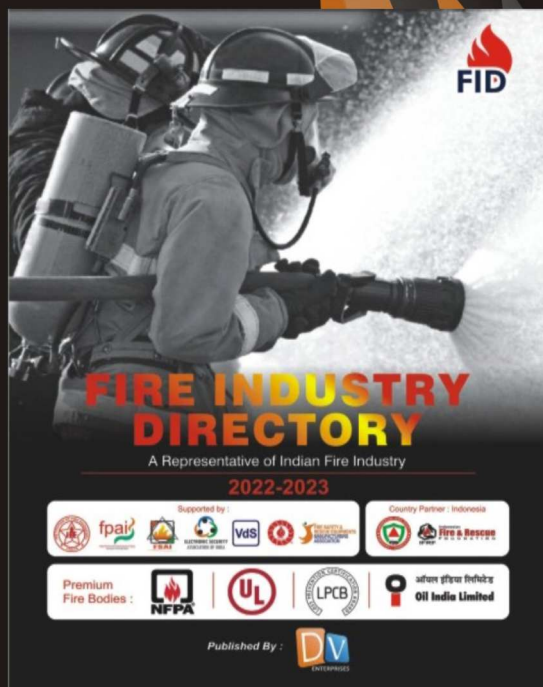
Portable extinguishers are useful for putting out small fires; however, they are not effective against large, spreading fires. In these situations, doors should be closed to contain the Fire.



Compilation Assistance:
Mr. A. Y. Khan

Fire Industry Directory

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



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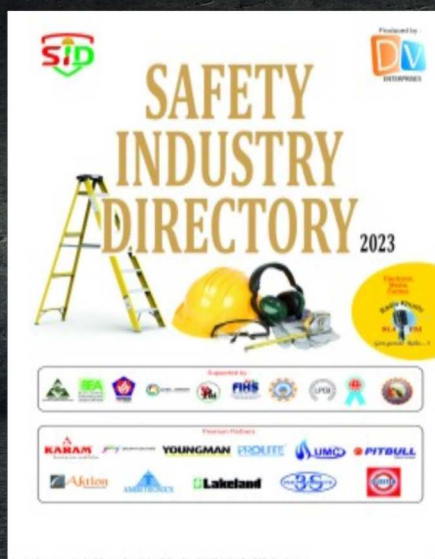
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Mr. Manan Shah
CEO
Ambetronics Engineers Pvt. Ltd.



“Ambetronics has a wide variety of products, starting from the main line of product line is gas detection, flame detection, heat detection.”

Q: Kindly do let us know about the product portfolio “Ambetronics” offers?

Ambetronics has a wide variety of products, starting from the main line of product line is gas detection, flame detection, heat detection. We also have solutions and products that relates to cold chain, temperature validation, pharma. We also have a lot of products that is related to automation, PLC automation, IoT automation. So, we have a vast range of products, a vast basket, and depending on what application it is, what industry it is, we can not only give a product, but we are more towards giving a solution to the customers.

Q: What kind of gas detection system your company offers in the market?

There are various types of gas detection systems, so depending on the industry. So for example, if it's oil and gas industry or a refinery industry or if it's a cycle manufacturing industry, rubber manufacturing, automotive industry, so any industry, any specialty chemicals, any sort of gas that needs to be measured, that needs to be detected. If there's any leak,

any specialty gases like arsine, hydrogen cyanide, Phosgene. These are some gases which are very, very dangerous and Ambetronics has one of the specialties or you can say one of the pioneer technologies for giving out detection of specialty chemicals and which is very niche. So that is something that we do and industry we can cater from pin to aeroplane, any industry we have solutions, products that we can offer in the market.

Q: What are the applications of gas detection having?

So the main application, or you can say the core application is to detect a gas leak or to monitor the gas leak, if there is any. So currently, since the last couple of years or you can say after Covid we are majorly working with data centers, majorly working with oil refineries, renewable energies we are doing lot of IC manufacturing companies like semiconductor industries are coming to India. Automotive is coming to India. Hydrogen industry is coming to India. We do a lot of biogas. So these are certain applications which we have recently developed since the last three to four years. And yes, we also have conventional applications like a chemical plant, a fertilizer industry, cycle indust,

industry, rubber industry, aluminum industry, steel industry. So these are the conventional applications, but the niche applications are also that what we do.

Q: What growth plans for your company you have in coming two years?

Specifically, the growth plan is to extend our international base right now. We are exporting to almost 20 to 22 to 23 countries but we want to increase our international base as we are also focusing on getting some international certifications all across the globe. Because a product is proven it meets the standard as in the international as well as an industry standard so the major focus in terms of the entire company is to provide best quality products, best certifications, making sure the customer is educated. Point number three, give service on time, be the smallest of the customer and increase your geographical presence all across the globe and delivering and coming up with more unique and innovative solutions that can really help the gas detection industry.

Q: How market is growing after pandemic?

After pandemic my observation in the market is there are a lot of new players coming in, new technologies coming up, the turnaround time for any technological company has become very fast. Like usually pre-COVID it was six months when a product should come out and go on the shelf and people should start using it but now it's I think a quarter, a single quarter where new technologies coming, new people are coming in, new ideas are coming in, government and everybody is pushing north towards renewable energies so I can see a lot of growth in hydrogen, in ammonia, in renewable energy, in city gas distribution, I see a lot of growth in the farming sector is like a lot of farming is also being digitized, I see a lot of talks about waste water so that is something that the market is growing very quick, it's too dynamic also in terms of fragile and volatile that if it's a wrong product or if it doesn't shoot the market it gets backfired but yes the technology is evolving very fast so every quarter you see new technology, new product coming out in the shelf or in the market.

Q: What international expansion plans you have for the company?

As of now as we work with 20 or 23 odd countries, some parts we work with the dealer network, the distributor network or the channel partner network depending on the country and depending on how their architecture works, some part we work directly. So our international plan is firstly, to have certifications that are

needed. Second definitely we would want to increase the dealer base, increase awareness among the persons, showcase the product capabilities that we have, compete with the pricing, compete with the quality, compete with the service.

Q: In all countries you are operating?

Right now we are operating or exporting to countries like Australia, New Zealand, the entire Gulf that is UAE, Abu Dhabi, Dubai, Qatar, Saudi.

Then we are doing a lot of export to Europe like Norway, Finland, Netherlands.

We have also started to work a lot with Malaysia, Vietnam, Chile, Peru, Argentina and we have recently started working a lot with African countries.

So these are some small or big or some countries that we Bangladesh Nepal, Sri Lanka that we are started to work with.

Q: How you invest in your manpower?

So, investing in manpower, so basically what I try to do is we have various people in various departments and I try to send them to events, trainings, conferences, seminar, plant visits and then they go out for like servicing maintenance because selling a device by sitting in the offices one part and when you come to know that what is the real application, now the field works, that is something. So, the way I keep pushing my people, my team as like it's not about sitting in the office, go out on the field because our job is to go on the field and check what is happening. So, that's the same principle that me and my team follows and yes my team, boys, girls, ladies, gents all go out on the field for many days, couple of days and then they learn quite a lot, that is how we keep on training, investing or you can say they can learn something out of these visits.

Q: What are your quality check system you exercise?

There are certain guidelines or certain checkpoints that have kept us like when this business coming in, I make sure that if the delivery has been done on time. The feedback loop, anytime there is a sort of quotation sent in, we make sure that we call the concern person and ask them if the quotation or if the commercial part has been sent to you. If you have received it and if you have not received it.

then is there any other alternate with it? We can send it to you. What is the turnaround time? If the turnaround time is too less, if the customer wants a delivery within a day. So we close it directly and then give it to them. And another quality check is, I do a random check out of whenever I go to the production regularly or eventually, we make sure that I give gas at any point of time and checking the values of what cylinder they have used. What is the incoming material that they are doing if the material is in bulk, if there is anything, if there is any loophole, I try to catch it by having an interlock system checking with the other department. You don't need to check with the same department because it's a chain. So you don't check the incoming material, it's like you check on the site of the incoming material that when the material was dispatched, was it in the same condition? So I do a backward and a front check. That is how I keep the quality intact.

Q: Any message for readers?


At least for industry that I have been and the things that I have learned, I would just like to mention that it's a very fast moving

industry, specifically when you are in the technological business, it's too fast.


So make sure that you design a product that really solves the solution, don't try to replicate something that's out in the market, design something that can really solve the problem, cost effective, and that can reach to a lot of people.

That's not an ideal thing, but yes, in the gas detection industry, because there are fires, and there are a lot of gas leaks happening around India, and awareness is too less when it comes to the normal citizens of a country.


So yeah, we should come up with a device or come up with a product that is innovative and making sure that don't try to replicate somebody's device rather than innovate and bring something new to the table that can really solve the problem.




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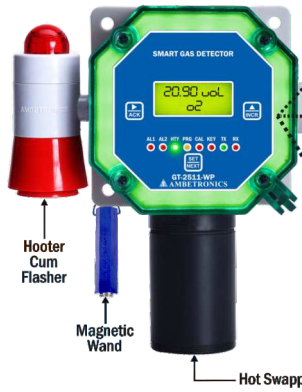
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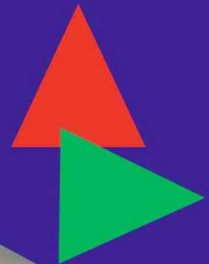
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BLAST FOLLOWED BY FIRE IN FIRECRACKER FACTORY IN HARDA (MP), LEFT 11 DEAD 149 INJURED

In a devastating incident that happened in Harda, Madhya Pradesh left locals and authorities stunned. Massive series of blasts were reported. At least 11 people killed and 149 people injured.

Rescue operations carried to extract workers trapped in debris of the collapsed structure. The operation was interrupted by series of explosions. 100 houses in the vicinity were forced to evacuate by the authorities to safeguard any damage to the people.

The FIR has been lodged in this incident and one person has arrested and other teams are formed to nab others. A high level panel has been appointed for further investigation by the Chief Minister, Mr. Mohan Yadav.

It is reported that two years ago similar incident occurred, though the owner claimed that it had valid license.

The CM is particular about the rescue operations thoroughly. He has also instructed to inspect other firecracker factories thoroughly. He has announced a compensation of 4 lakh to the kin of the deceased and 2 lakh of compensation has been promised by PM office to them. An aid of 50,000 to injured also been

declared by both CM & PM office each.

According to the sources at around 11:00 am in Bairagarh village, a massive fire broke out in three story building that led to series of explosion followed by collapse of structure within minutes. Harda officials told that 11 people are confirmed dead, 149 injured, while 25 critical patients were taken to hospital in various cities including Bhopal, Indore & Narmadapuram.

The explosions were so massive that at least 50 houses in the vicinity damaged partially. The blast blew rock and metal object from the factory & hit several passerbies. It is feared that the 150 workers who lived inside the factory campus were stranded and only few could have been managed to escaped.

Rescue operations were underway till the time report was compiled. 30 fire tenders were at the spot. NDMA & SDMA in coordination were undertaking the operations. A team of 100-100 responders from both NDMA & SDMA were undertaking the rescue operations. Ambulances were remained present for the assistance of rescued persons.

The CM directed hospitals to keep bed reserved and burn units on standby at the hospitals. A help-desk is also set up at District Hospital at the spot of incident to report any missing persons or seek any assistance.

To probe and further investigation on the incident a high level committee headed by Principal Secretary (Home), Shri Sanjay Dubey has been formed. A strict action against culprits is vowed.

Though the valid license was obtained but it is a matter of investigation if they were violating the norms so that responsibility of the incident can be found out.

The President Mrs. Droupadi Murmu, Vice-President Mr. Jagdeep Dhankar, Prime Minister Shri Narendra Modi and Congress president Mr. Mallikarjun Kharge expressed grief over the incident and offered condolences to the families of the dead.



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Current Update



Firework unit blast in Sattur, Tamil Nadu: 10 Dead, 6 injured

An explosion at a fireworks factory in Kundayiruppu near Sattur in Tamil Nadu's Virudhunagar district took place. The incident took place at around 12:30 pm at Ashok Sparklers factory. The blast completely destroyed five out of 74 buildings in the premises.

Nine persons were declared brought dead at Sivakasi Government Hospital and one died after admitting to the hospital.

It is suspected that the incident took place because of over piling chemicals at the mixing room. Fire & Rescue Service personnel from Vembakottai and Sivakasi rushed to the spot to put out the fire.

The case has been registered against three persons including owner, Vignesh.

A team headed by DRO has been constituted to probe the matter.

It is also reported that more than the permitted numbers of workers were inside the factory which could have contributed to this incident.

Prime Minister Narendra Modi announced ex-gratia of 2 Lakh for deceased & 50,000 for injured.

A solatium of 3 lakh for the families of deceased & 1 lakh for injured announced by Chief Minister Stalin.

Minister for Labour Welfare C.V. Ganesan and Minister for Revenue and Disaster Management K.K.S.S.R Ramachandran met the families of the injured at the Sivakasi government hospital. The ministers said the government had ordered closure of 30 firecracker units in the State, which were found flouting rules.

Opposition leader Edappadi K. Palaniswami urged the State government to carry out inspections in firecracker units to ensure strict compliance of safety measures.





HEMANT SAPRA
President
Global Sales & Marketing

KARAM: On A Mission To Ensure Workplace Safety

“Having completed 25 years in the occupational safety industry, KARAM is one of the leading global occupational safety brands. The company’s complete range of products includes PPE like safety helmets, safety eyewear, hearing protection, face protection, hand protection, protective workwear, safety shoes, and a vast range of fall protection equipment. Besides these, engineered safety solutions like anchorage systems, specialized rope access, evacuation and rescue products, and confined space entry egress systems also form a significant part of KARAM’s product portfolio.”

The anticipated value of the worldwide personal protective equipment (PPE) industry in 2022 was \$78.30 billion, and it is projected to increase at a compound annual growth rate (CAGR) of 6.7 percent from 2023 to 2030. Over the predicted period, there will likely be a rise in demand for PPE due to growing concern about worker security in the manufacturing facility. Over the course of the forecast time frame, the demand for personal protective equipment is anticipated to develop due to the expanding industrial sector and increasing recognition of the protective gear

The development of easy to wear, lightweight, superior-quality occupational protective equipment is one example of the ongoing advancements that are anticipated to spur market expansion even further. Requirement for protection equipment that integrates safety, aesthetics, and cutting-edge technology, additionally promises to boost market progress. While India’s safety market is still in its nascent stages, the growing awareness among industrialists and business owners towards the vitality of investing in worker safety is anticipated to boost the market landscape in the coming years.

We manufacture all these things in India as per global standards because we manufacture and sell not only in India, but all across the world in over 100 countries. Anything that we manufacture or produce has to be certified by a third party laboratory to meet the standards. If I have to sell something in India, the products have to be BIS certified by the Bureau of Indian standards, a government body that has established these standards. Similarly, for selling in Europe, it has to be CE certified. If you have to sell in the US it has to be ANSI certified, and so on. Every country has different standards and local labs ensure those standards are met”, shares Hemant Sapra, President - Global Sales & Marketing, KARAM Group

Established in 1998, KARAM is India’s leading Personal Protective Equipment (PPE) Manufacturing enterprise, manufacturing high quality safety gear. Everything that a worker needs to protect themselves from harm occurring at hazardous workplaces is manufactured by Karam. Right from helmets to safety shoes, KARAM offers a complete range of solutions from head to toe and has been delivering the best-in-class products for almost 3 decades now.

End to End Offerings

Having completed 25 years in the occupational safety industry, KARAM is one of the leading global occupational safety brands. The company’s complete range of products includes PPE like safety helmets, safety eyewear, hearing protection, face protection, hand protection, protective workwear, safety shoes, and a vast range of fall protection equipment. Besides these, engineered safety solutions like anchorage systems, specialized rope access, evacuation and rescue products, and confined space entry egress systems also form a significant part of KARAM’s product portfolio.

In addition to offering specially curated products, KARAM also offers services like workplace auditing services, and workers training and consulting services. The company has a dedicated training and consultancy wing that handles these services ensuring enhanced customer experience. As a globally present entity offering a life saving product to the customers, KARAM’s products meet a number of global safety standards before being rolled out into the markets.

Depending upon the country that they are sold in, the products have to be inspected by local third-party laboratories and approved for country specific standards before being made available for use.

“We manufacture safety equipment, which is meant for use by the industrial workers, wherever they are working in the hazardous environment.

We manufacture all these things in India as per global standards because we manufacture and sell not only in India, but all across the world in over 100 countries. Anything that we manufacture or produce has to be certified by a third party laboratory to meet the standards. If I have to sell something in India, the products have to be BIS certified by the Bureau of Indian standards, a government body that has established these standards. Similarly, for selling in Europe, it has to be CE certified. If you have to sell in the US it has to be ANSI certified, and so on. Every country has different standards and local labs ensure those standards are met”, shares Hemant Sapra, President - Global Sales & Marketing, KARAM Group.”

Over the decades, KARAM has established such a stellar reputation that today, the founders of the company are associated with various industry leading social organizations and are also working closely with the Indian government for the drafting of the upcoming worker safety laws and regulations.

Meeting Customer Needs

All workplaces are diverse and come with their own set of challenges. KARAM recognizes this and follows a detailed approach consisting of site visits and discussions with the customers to witness the exact condition of the workplace, as well as understand what the client is looking for before suggesting suitable product and services solutions. The firm also extends worker safety training among other worker trainings in order to educate a business's workforce on ways to remain safe and protected.

“What we do is that we meet the customers and understand their problems in their workplace. Our solutions are not sold off the shelf as it is not a commonly consumable product. We are selling an overall safety concept and for that first we offer audit services where we visit the work site or manufacturing facility that the client needs safety services for. We analyze the problems and hazards existing in the space and then suggest and curate bespoke solutions for the clients based on their unique needs. Solutions offered by us come in the form of products as well as services like training the customers' workforce so they can safely go home everyday”, further shares Hemant.

Team & Infrastructure

The group started as a small team of about 10 people, but has grown today to a team of over 4000 workers spread across the globe. With multiple manufacturing facilities, in Lucknow, Sandila and in Sitarganj, the company has a big workforce working to manufacture superior quality products. In addition to the manufacturing unit workers, the brand also has a dedicated R&D vertical with over 35 highly qualified engineers constantly working on innovation for creating new products as well as improving tech and product specifications for better client experience and ever improving reliability of the products.

Furthermore, the brand has about 250 sales and distribution partners across India working out of 11 regional offices and various residential offices spread throughout the country. On the global scale, the company has established offices in Dubai, Durban, US, France, Brazil, and Singapore. In each of these offices, the firm houses a staff of 12-35 workers at the sales offices. In addition to the sales offices, the firm has also established warehouses via which the goods are sold to the distribution networks and finally to the clients

Journey & Future

“We started with a tiny workforce in 1998, manufacturing safety nets which avoid deaths and injury caused by falling from buildings. If people fall from any structure, the nets catch and save them. We then diversified to include harnesses and helmets. Since the beginning, every three years, we have been adding new products. We started from New Delhi, gradually expanding to Mumbai followed by Bangalore, Hyderabad, and Ahmedabad. In 2011, we decided to take our brand outside, and gradually rebranded and remarketed it to accelerate market acceptance”, further shares Hemant.

To expand its global reach, KARAM has strategically set up numerous offices in key locations such as the United States, France, Brazil, and Singapore. Additionally, KARAM has successfully launched dedicated entities, namely KARAM Middle East and KARAM Africa, further strengthening its presence in these regions.

. Depending upon the country that they are sold in, the products have to be inspected by local third-party laboratories and approved for country specific standards before being made available for use.



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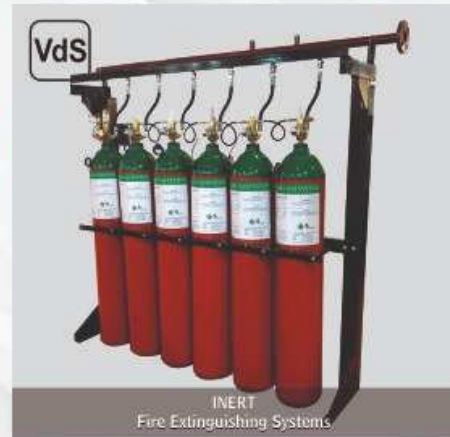
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400 fire fighters decorated with MBA, Btech & LLB Degree recruited in Delhi Fire Service

DFS has recruited 371 fire fighters bringing diverse range of educational background. 30 BED, 15 Polytechnics, 47 Masters Degree, 153 BA graduates, 44 ITI, 13 from engineering & also from MBA, BCA, Mass Communication & LLB background. It is the largest recruitment in last 5 years in the fire department.

The recruits will undergo intensive training for six months before they are deputed to designated fire stations. The training will cover various topics like science of fire, breaking through locked structures & mastering the latest fire fighting equipments. Residential fire which is a significant contributor in fire incidents around 60% will be emphasized during the training program.

The director of DFS, Mr. Atul Garg expressed confidence in the new recruits. He also believes that the qualification will enable them to enhance capabilities.

It is reported that last year DFS received 15,610 fire related calls, 59 fatalities & 689 successful rescues.



Fire broke out at Delhi Police Training School at Wazirabad, Delhi: Over 450 vehicles gutted

Delhi Police Training School located in Wazirabad of North Delhi witnessed a severe fire incident in which 450 vehicles parked in a yard were damaged.

The call by fire department was received around 12:16 am. Eight fire tenders rushed to the spot to douse the fire initially. Due to escalating fire more fire tenders were called from the nearby fire stations.

200 four wheelers and 250 two wheelers were gutted there. Fire started in storage area. The fire was controlled after massive efforts. The cause of fire is still unknown. The matter will be investigated further. It was fortunate that no casualties were reported.



It is likely that Delhities would get live practical simulated experience on “How to Control Fire”

DFS is taking a step towards improving fire safety in Delhi. It is setting up two virtual training centers. One would be in Nehru Place & another location is yet to be determined. These centers would offer fire safety training to citizens through virtual simulations. It is expected to be completed by 31st March 2024.

These virtual training centers will provide immersive experience using simulators to recreate live fire situations. I will be equipped with 3D glasses so that learning session will educate how to extinguish fire with firefighting gear like hoses & fire extinguishers. Twenty people capacity is there at a time.

Specific time period for different modules to cater various scenario are designed. Such as kitchen fire training for housewives.

Advanced modules are for firefighters that will simulate factory fires or rescue situations in burning buildings. It is expected that such training will enhance response skills.

It is environment friendly training. Traditional training often on controlled fire and contribute to pollution and require more space to conduct.

Director DFS, Atul Garg stated that these are first of its kind of training centers in India. It is a significant addition in training system. The knowledge impartment of self rescue & early control of fire will help a lot, as Delhi on an average experience 80 fires per day.

DFS in an attempt to modernize, it has procured various firefighting equipment including rescue tripods, mini robots, smoke ejectors, telescopic rescue poles, three modified sky lifts, and a snake tower. Additionally, the department plans to introduce drones capable of spraying foam from a cylinder. These advancements will enable firefighters to tackle fires at heights of up to 60 meters and navigate congested city lanes with all-terrain firefighting ehicles equipped with a compressed air foam system.

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Current Update



Maharashtra: Massive Fire Breaks out at Factory as Thick Black Smoke Fills Air in Nashik

Maharashtra fire: A massive fire erupted at a factory in Maharashtra's Nashik on Friday. According to reports, the incident occurred in the industrial area of Sinnar city. Following the incident, a thick black smoke was seen billowing from the site and fire tenders were rushed to the spot to douse the flame.

Similar incident occurred last month.

In a similar incident last month, a massive fire erupted in a chemical factory in Mumbai, sending plumes of thick, black smoke billowing into the sky. The incident was reported from the Navi Mumbai area on January 4.

However, no casualties or injuries were reported in the incident.



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Accident Victims to Get Cash-Less Treatment Stated Road Ministry

As per an update by Road Ministry road accident victims to get cashless treatment facility at Ayushman Bharat hospitals. The work in progress to rectify about 5,000 remaining black spots in the country by May 2025 with aim to reduce death in road accidents by half by 2030.

Authorities have plan to introduce cashless medical treatment for all injured road accident victims across the nation within the next three to four months," Jain said while addressing the International Road Federation (IRF) conference on 'Vision Zero, Targeting road safety by 5E's with innovative technologies', organised in association with the ministry of road transport and highways and Maruti Suzuki.

The nationwide scheme, to be introduced by the ministry, will be merged with the final scheme to be launched by the ministry of health and family welfare at the later stage.

Authorities are working to eliminate black spots on national highways. So far so around 4000 accident prone engineering faults have been rectified till date. Concerned authorities are working on DPR of remaining 5,000 black spots within next three months.

The road safety audit of all national highways in the entire

country will be achieved soon. Ministry of road transport aims to launch zero complaints for road maintenance.

Road Ministry has laid out multi-pronged strategy based on 5E's of road safety to address the issue of road safety based on education, engineering, enforcement & emergency care.

The e-DAR (electronic Detailed Accident Report) has been initiated to establish a central repository for reporting, management & analysis of road accidents data across the country.

5 E's implementation has brought increased awareness, safer road infrastructure, better compliance with traffic laws, encouragement of responsible behavior & continuous refinement of safety measures. The outcome will result in a significant reduction in road accidents, injuries & fatalities. This will create safer and secure road environment.

International Road Federation (IRF), road safety international body which is Geneva based body is working for better road safety worldwide. IRF reports that India contributes 11% of global fatal road accidents worldwide.



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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
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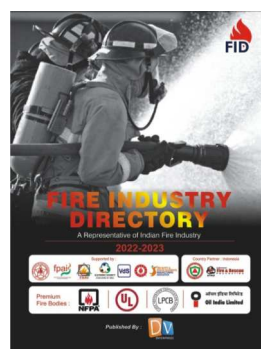
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- Pressed Steel Door
- Stainless Steel Door
- Fire Rated Hardware



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Fire Retardant & Water Repellent Canvas



Sound Proof Cabins

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 (chx-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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We are **Fire Safety Devices Pvt. Ltd.** We are devoted to keep your workplace safe from all types of fire hazards.

