WEBINAR TITLE: ELECTRICAL AND FIRE SAFETY: PREVENTIVE AND CONTROL MEASURES

Registration Fee (including GST):- Rs 99/-

About Webinar : - <u>ELECTRICAL SAFETY</u>**: Electrical safety is a system of organizational measures and technical means to prevent harmful and dangerous effects on workers from electric current, electric arc, electromagnetic field and static electricity. Electrical safety is important because hazards such as arc flash and shock can result in death if a person is exposed to it.. Electrical hazards include exposed energized parts and unguarded electrical equipment which may become energized unexpectedly. Such equipment always carries warning signs like "Shock Risk". We should be always be observant of such signs and follow the safety rules**

Hence it is important have an Electrical Safety Management System in place to manage electrical risk. An Electrical Safety Management System should have following things in place:

1. **Electrical Safety Rules – including training, compliance, and auditing.**
2. **Electrical Safety Instructions**
3. **Electrical Permit System**
4. **Electrical Authorisation System – You should have different levels of authorisation for electrical personnel that limits what work they can do.**

<u>FIRE SAFETY</u>**: Fire safety is the set of practices intended to reduce the destruction caused by fire. Fire safety measures include those that are intended to prevent ignition of an uncontrolled fire, and those that are used to limit the development and effects of a fire after it starts. Fire can have an devastating impact on anybody who is unfortunate enough to be near it. We all know that the flames and heat from a fire can cause a great deal of harm – from breathing the hot air killing a person instantly to life threatening or life changing burns on the body. There are many other aspects of fires that can cause a great deal of harm:**

> **– Smoke – surprising to some, the most common cause of death in fires is the inhalation of smoke and fumes.**
> **– The damage from a fire can cause the structure of a building to collapse. People can suffer injuries from elements such as falling debris during a fire.**
> **– Lack of oxygen.**
> **– No escape route.**

Fires affect thousands of organisations each year resulting in injury, lost customer trust and building damage. By establishing a fire prevention and preparedness program, we can avoid injuries to employees and visitors, costly damages, and potential fines to our business.. Following are the steps an organisation should follow to prevent and control fire incidents/accidents:

1) Fire Prevention: It is important to know how to prevent fires from occurring .. Simple measures such as keeping fire exits clear, keeping the workplace clean and organised, effective management of waste and understanding how to reduce the risk of electrical fires occurring.

2) Saving Lives and Minimising the Damage.. Fire alarms, smoke detectors, emergency lighting, fire exits and escape routes are all measures that can be taken to minimise the damage of fires when they do occur.

3) Fire extinguishers. Depending on what type of material is burning in a fire, the extinguishers required can vary. Knowing when to use each extinguisher is vital knowledge to minimise the damage from fire.

4) Cost. Fires cause injury or human loss, lost customer trust and building damage The average cost to a business is huge is major fire occur.. Hence by prevent fires from occurring you are largely reducing the risk of a fire in your place of work and saving your organisation from losses.

5) The Law.. As per fire safety regulations you are responsible for fire safety in business or other non-domestic premises. Hence for any organisation following measures have to be ensured:

– Carry out a fire risk assessment of the premises which is reviewed on a regular basis
– Communicating employees about the risks you've identified
– Put in place, and maintain, appropriate fire safety measures
– Plan for an emergency
– Provide sufficient information to all employees through fire safety instructions and training

A fire risk assessment must always be carried out . In order to carry out a fire assessment, the following steps must be taken:

1. Identify the potential fire hazards – make a note of anything that could start a fire or easily burn, if found during the assessment
2. Identify the people at risk – work out if the risk could be greater for some people (i.e. the disabled and elderly are especially vulnerable)
3. Act on the findings – Evaluate, reduce or remove the potential risks
4. Record – Keep a record of the findings, prepare an emergency plan and provide fire safety training
5. Review – A fire risk assessment must be carried out regularly, with all findings updated and recorded.

Safety rules outline the expected "do's and don'ts" regarding safety within the operation. Establishing safety rules within the organization is one of the most fundamental steps an organisation must take when developing a safety program.

The webinar will focus on explaining the Importance of Electrical and Fire safety and discussing various preventive and control measures required to deal with electrical and fire hazards.
<u>Webinar Coverage: -</u>

➢ Importance of Electrical and fire safety
➢ Understanding the Electrical and Fire Hazards.
➢ Establishing an Electrical Safety Management System
➢ Electrical Safety Instructions
➢ First Aid Requirement in case of Electric shock.
➢ Golden rules of electrical safety
➢ Causes of Fire, Type of different Fire and Extinguishing methods for different Fires.
➢ Prevention measures of Fire Hazards.
➢ Golden rules of Fire safety
➢ Control measures against fire incidents/accidents
➢ fire risk assessment and control measures

<u>Speaker Profile :</u> - Mr. Ramnish Bedi is Director of KEY TO HSE consultancy and training company. He has worked as Corporate Head in reputed companies like Gates India, Schneider Electrical, RICO Auto, Delphi, Federal Mogul, Nestle & Owens Corning. He is having 25 years' of working experience in Manufacturing sector like Automobile, FMCG, engineering, Chemical & Electrical Industries. He is a certified Lead Auditor for ISO 14001: 2015 & ISO:45001: 2018 and ZED Consultant certified by QCI. He is a national level consultant cum trainer in the field of quality, health, safety and environment.

Register to learn (Key Learning's' in bullet points):
➢ Understanding the Electrical and Fire Hazards.

- ➢ **Establishing an Electrical Safety Management System**
- ➢ **Golden rules of electrical safety**
- ➢ **Causes of Fire, Type of different Fire and Extinguishing methods for different Fires.**
- ➢ **Prevention measures of Fire Hazards.**
- ➢ **Golden rules of Fire safety**
- ➢ **Control measures against fire incidents/accidents**
- ➢ **Fire risk assessment and control measures**

Thanks and regards

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