

Webinar Title: PROCESS SAFETY , PROCESS SAFETY MANAGEMENT AND ENSURING PROCESS SAFETY THROUGH HAZOP

Registration Fee (including GST):- Rs 499/- (Rupees four Hundred Ninety Nine Only) per participant inclusive of GST

Expert Speaker (Name/ Designation) – MR. RAMNISH BEDI , DIRECTOR , KEY TO HSE AND A NATIONAL LEVEL CONSULTANT CUM TRAINER

Webinar Date: 18.04.2021 Duration: 11.00 pm to 12.30 pm (one hour thirty minutes)

About Webinar (Brief One para): -

Process safety is the prevention of unintentional releases of chemicals, energy, or other potentially dangerous materials (including steam) during processes that can have a negative effect on the people or environment. Process safety is about asking three questions:

- 1. Do we understand what can go wrong?**
- 2. Do we know what are the systems in place to prevent things going wrong?**
- 3. Do we know that these systems will work when needed?**

Process safety involves, for example, the prevention of leaks, spills, equipment malfunction, over-pressures, over-temperatures, corrosion, metal fatigue and other similar conditions. Process safety programs focus on design and engineering of facilities, maintenance of equipment, effective alarms, effective control points, procedures and training.

By putting systems in place to manage process safety, it will help reduce the potential for preventing major disasters involving the consequences of catastrophic releases of toxic, reactive, flammable, or explosive chemicals

A sound process safety system results in following benefits:

- prevents human injury**
- helps to prevent significant losses and environmental damages.**
- helps in boosting productivity;**
- helps to produce high quality products, on time, and at lower cost; and contributes to shareholder value.**
- supports other safety management systems**
- Enhances efficiency of processes.**

Process Safety Management is designed to manage the integrity of operating systems and processes handling hazardous substances by applying good design principles, engineering, and operating practices. .Process Safety Management, or PSM, requires employers to identify, evaluate, and control the hazards associated with the highly hazardous chemicals used in their processes. A key provision of the standard requires employers to conduct a

thorough risk analysis of the entire operating process. The elements of Process Safety Management give focus on Technology, Facilities and Personnel. All sites must do their due diligence in ensuring their facility is safe to operate, equipment is maintained properly, and there are proper operating procedures in place and regulatory requirements are being adhered to.

Process Safety Management is required :

- To prevent major disasters involving catastrophic releases of toxic, reactive, flammable, or explosive chemicals;
- Plants have been getting larger and more complex, thus introducing more process risks and requiring a broader and deeper approach to managing these risks;
- Weaknesses in compliance with the regulations and failure of a compliance-based approach to process safety to prevent major accidents;
- Less public tolerance for major accidents;
- Potential impact of a major disaster; and
- To manage the increasing amount of people, environmental regulations, and business growth.

There are four pillars of a Process Safety Management framework:

- Process and Plant Safety Leadership
- Risk Identification
- Risk Management
- Review and Improve

The webinar will focus on explaining the different aspects of process safety, discussing different elements of process safety management and describing how HAZOP study will be useful in ensuring process safety.

Webinar Coverage: -

- Introduction to Process safety
- Understanding the Importance of Process safety and Process Safety systems
- Process safety vs Occupational safety
- Elements of Process safety management
- Process safety by using HAZOP
- Steps in HAZOP Process
- Process hazard identification and hazard control
- Incident reporting, investigation and control measures
- Developing and implementing a good process safety management system
- Measuring effectiveness of a process safety management system

Speaker Profile (Brief One Para & Photograph): - 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 com trainer in the field of quality, health, safety and environment.



Register to learn (Key Learning's' in bullet points):

- Understanding the Importance of Process safety and Process Safety systems
- Elements of Process safety management
- Process safety by using HAZOP
- Process hazard identification and hazard control
- Incident reporting, investigation and control measures
- Developing and implementing a good process safety management system

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Thanks and regards

S.P.Singh

Regional Director

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