

ICC-ICT Training Course on **Safety and Environment** for MSME Units in the Chemical Industry

24 & 25 September, 2026
Hotel Mercure, Chandigarh.



INTRODUCTION

The chemical industry is a complex industry involved in the processing of hazardous chemicals and highly prone to safety related risks such as fires, explosion, gas leaks, adverse effect on human health and environment etc. Chemical safety includes all policies, practices and procedures to minimize the risk of exposure to potentially hazardous chemicals and processes. A well designed and implemented safety culture helps the companies to reduce all such risk arising from the manufacturing, handling, storage and transportation of chemicals and their products. A good understanding of safety practices and requirements is vital for the continuity of the business on a sustainable basis.

India has experienced several large-scale industrial accidents in recent years, including explosions and toxic gas leaks. Many of these accidents have occurred in the Indian chemical industry, which emphasizes the need for robust safety measures and effective training programs.

Objective:

The primary goal of arranging a training program for safety and environmental practices in the chemical sector in India is to educate the key personnel of these units, enabling them to operate safely, adhere to regulations, and prevent future accidents.

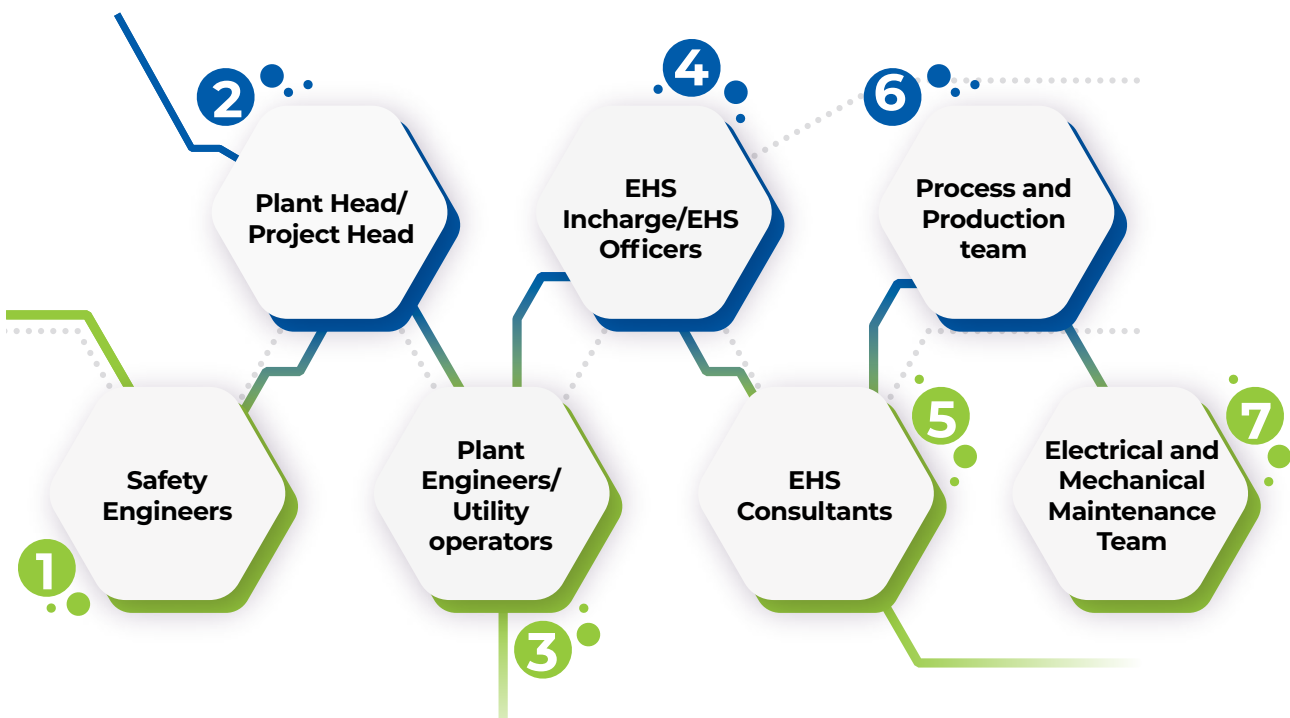


Key Learning Outcomes:

By the end of this course, a participant should be able to gain knowledge of:

- **Potential hazards:** The course will teach the participants about the potential hazards that are present in industrial settings, such as chemical exposure, Chemical leaks and spill, Storage and Handling hazards of chemical, Fire and Explosion Hazards.
- **Risk assessment:** The participants will learn how to assess and identify potential risks in the workplace, as well as how to implement control measures to prevent accidents or injuries.
- **Emergency procedures:** The course will cover emergency procedures and protocols for responding to accidents, fires, or other emergencies that may occur in the chemical industry. best practices for safely handling and storing chemicals, including the use of personal protective equipment (PPE), proper labelling, and appropriate ventilation.
- **Safety regulations:** The participant will also learn about the relevant Indian safety regulations and laws that apply to the chemical industry, as well as the responsibilities of both employers and employees in maintaining a safe work environment and how to build a strong safety culture. This will also cover OSHA's Hazard Communication Standard (HCS) and the Globally Harmonized System (GHS) for chemical labelling.
- **Personal protective equipment (PPE):** The course will teach participants how to select and use appropriate personal protective equipment, such as gloves, safety glasses, and respirators, to protect themselves from chemical hazards.
- **Safety culture:** The course may also emphasize the importance of creating a safety culture in the workplace, which involves promoting safe behaviour's and attitudes among employees including reporting hazards and near-misses, and promoting safe behaviors and attitudes among employees.

Who should attend:



Highlights of The Training Courses:

Duration of the Course:

2 Days

Registration **free of cost**



01 Target Audience:

Top and Middle management from Chemical Industry

03 No. of Participants:

Avg. **200** participants/course

05 Certification to Participants:

ICC- ICT certificate course on Safety & Environment

Topics to be covered in this Training Course:

1

Process Safety

2

Storage, Handling and Transportation of Hazardous Substances

3

Fire Prevention & Protection, Emergency Preparedness and Evacuation Planning

4

Work Permit System

5

Legal Requirements in Safety

6

Principles Basis of NGT Orders & Community's License to Operate

7

Legal Provisions for Environmental Management & Concept of EPR

8

Waste Management: Effluent Treatment & Discharge Practices

9

Principles of 5R & Environmental Management as a Tool for Growth

10

Safety Data Sheets, Physical, Psychological Health Hazard & its control

11

BBS & Near Miss Reporting, Personal Protective Equipment, Working Equipment and Working around Machinery



Organizers:



INDIAN CHEMICAL COUNCIL (ICC) the apex national body representing all branches of the Chemical Industry in India such as Organic & Inorganic Chemicals, Plastics & Petrochemicals & Petroleum Refineries, Dyestuffs & Dye-intermediates, Fertilizers & Pesticides, Specialty Chemicals, Paints etc.

The Indian Chemical Council is dedicated to the growth of the Indian Chemical Industry. Established in 1938, ICC has over the years grown its functions and offerings to cater to the varying needs of the Indian Chemical Industry.



INSTITUTE OF CHEMICAL TECHNOLOGY (ICT), established on October 1, 1933 as University Department of Chemical Technology (popularly called UDCT) of the University of Bombay (now Mumbai), with the noble intention of advancing India's knowledge reserves in chemical science and technology, the Institute has grown to become a premier (deemed) university devoted to education, training, research and industrial collaboration in chemical engineering, chemical technology, applied chemistry, pharmacy, biotechnology and bio-processing.

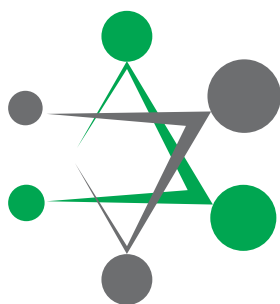
Certification:

On successful completion of the course participants will be awarded with an "E-Certificate".

For More Information, Contact: **INDIAN CHEMICAL COUNCIL**

iccmumbai@iccmil.in | iccnro@iccmil.in
02261144000 | 95109 58263 | 93400 36062





ICC

Indian Chemical Council

**Sir Vithaldas Chambers, 6th Floor
16 Mumbai Samachar Marg
MUMBAI - 400 001
Tel: +91-22-61144000 Email: iccmumbai@iccmail.in**

