

# ANNEXURE-1

## METHODOLOGY FOR HAZOP TRAINING



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		Rev. 1	Date 28/06/2024

**Client:** M/s Willowood Industries Pvt. Ltd.  
**Title:** METHODOLOGY FOR HAZOP TRAINING



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## 1. Proposed Methodology

### 1.1. Introduction

This methodology document outlines our structured approach to designing and implementing safety training programs that not only meet regulatory requirements but also exceed the expectations of our clients. Our methodology is built upon years of experience and expertise in various industries, where we have successfully guided organizations towards enhanced safety practices and reduced workplace incidents. By understanding the unique challenges and specific needs of each client, we ensure that our training programs are not only informative but also practical and relevant to the daily operations of their workforce.

### 1.2. Methodology

- **Client Consultation and Needs Assessment**

- **Initial Meeting:** We begin by conducting an in-depth consultation with the client to understand their specific industry, workplace environment, and safety challenges.
- **Needs Assessment:** Through discussions and site visits (if necessary), we identify key safety concerns, regulatory requirements, and the specific training needs of their workforce.

- **Development of Customized Training Plan**

- **Topic Identification:** Based on the findings from the needs assessment, we collaborate with the client to finalize the topics and learning objectives for the safety training program.
- **Content Creation:** Our experienced team of safety experts develops comprehensive training materials that are tailored to address the identified topics and meet regulatory standards.

- **Approval Process**

- **Presentation of Training Plan:** We present a detailed training plan to the client, outlining the proposed content, delivery methods (online or onsite), and schedule.
- **Client Review:** The client reviews the training plan and provides feedback. We incorporate any necessary adjustments to ensure alignment with their expectations and requirements.

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- **Final Approval:** Upon approval, we finalize the training plan and prepare for implementation.

- **Delivery of Training**

- **Preparation Phase:** We prepare all necessary resources, including training materials, equipment, and facilities, to ensure smooth delivery.
- **Training Sessions:** Our qualified trainers conduct engaging and interactive training sessions either online or onsite, depending on client preferences.
- **Hands-On Learning:** We incorporate practical exercises, case studies, and simulations to reinforce learning and encourage active participation.

- **Evaluation and Continuous Improvement**

- **Pre and Post Training Evaluation:** Before and after the training sessions, we conduct assessments to measure participants' understanding and skill development, ensuring effective knowledge transfer.
- **Allocation of 25-50% of Duration for Exercise:** During training sessions, a significant portion of time—between 25% to 50%—is dedicated to practical exercises, case studies, and simulations to reinforce learning through hands-on experience.
- **Feedback Mechanism:** We gather feedback from participants and the client to assess satisfaction levels and identify areas for improvement.

- **Reporting and Documentation**

- **Completion Reports:** Upon completion of the training program, we provide the client with comprehensive reports summarizing participation rates, assessment results, and any recommendations for further action.
- **Documentation:** We maintain detailed documentation of the training sessions, including attendance records, evaluations.

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## 2. Objective of HAZOP Study

The purpose of HAZOP Study is to identify the hazard and operability problems and to reduce the probability and consequences of an incident in the process facilities that would have a detrimental impact to the personnel, plant, properties, environment and company reputation.

This Method describes the organization, study methods and recording requirements for HAZOP studies. Its purpose is to advise both HAZOP team members and other members of a project, of the approach to be adopted as well as the other contributions required from individuals. It is based upon considered worldwide best practices and international benchmarks in HAZOP deployment and management.

## 3. The One day HAZOP Training includes the following topics :

- **Introduction to HAZOP**
- **Preparation for HAZOP session**
- **Methodology**
- **Guidewords and parameters**
- **Risk Matrix**
- **Group discussion**
- **Pre and post evaluation**