ACE
Engineering College

An AUTONOMOUS Institution

Approved by AICTE & Affiliated to JNTUH

NBA Accredited B.Tech Courses: CIVIL, EEE, MECH, ECE, and CSE, College Accredited NAAC with A Grade

Institution's Innovation Council

Awareness Workshop: Field visit "GAIL & HPCL conducted mock drill on fuel pipe line fire accidents"

Organized

By

Dept. Of Mechanical Engineering

IIC, ACE Engineering College

On

25.02.2026

1. Introduction

The transportation of hazardous substances through high-pressure pipelines is a critical component of national energy infrastructure. However, the inherent risks—ranging from leaks to catastrophic fire incidents—necessitate an uncompromising approach to emergency preparedness.

The **Pipeline Fire Accident & Emergency Response Mock Drill** is a strategic joint exercise conducted by **GAIL (India) Limited** and **Hindustan Petroleum Corporation Limited (HPCL)**. This drill serves as a simulated "stress test" for the safety protocols, communication channels, and technical intervention strategies required during a high-stakes pipeline failure.

2. Objectives

The primary goal is to transform theoretical Emergency Response Plans (ERP) into coordinated action.

1. **Real-time Response Validation:** Testing the speed and efficiency of the Quick Response Teams (QRT) in isolating pipeline segments.
2. **Inter-Agency Coordination:** Streamlining the synergy between GAIL and HPCL to ensure a unified command structure during a crisis.
3. **Technical Proficiency:** Evaluating the deployment of specialized firefighting equipment, such as high-capacity foam monitors and DCP (Dry Chemical Powder) systems.
4. **Community & Environmental Safety:** Practicing evacuation procedures and containment strategies to minimize the impact on surrounding populations and ecosystems.

3. Outcomes

The workshop resulted in the following outcomes:

1. A pipeline fire is a dynamic and volatile event that demands split-second decision-making.
2. By simulating a realistic fire scenario, GAIL and HPCL ensure that their personnel are not meeting a crisis for the first time when lives and infrastructure are on the line.
3. This drill reinforces the culture of **"Safety First,"** proving that while accidents are unpredictable, our readiness to handle them must be absolute.

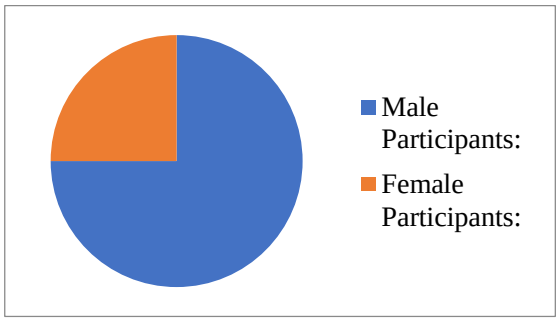
Photo Gallery:


HINDUSTAN PETROLEUM CORPORATION LIMITED
VVSPL-GHATKESAR
FIRE HAZARD
HINDUSTAN PETROLEUM CORPORATION LIMITED
HASSAN-CHERLAPALLY LPG PIPELINE, CHERLAPALLY


FIRE HAZARD

4. Participation Details

Total Participants: 60
Male Participants: 45
Female Participants: 15



5. Conclusion

The successful execution of this **Joint Pipeline Fire Accident & Emergency Response Mock Drill** marks a vital milestone in the ongoing safety partnership between **GAIL** and **HPCL**. By simulating a high-pressure fire scenario, both organizations have moved beyond theoretical planning into a demonstrated state of operational readiness.