

भारतसरकार
गृहमंत्रालय
राष्ट्रीय अग्निशमनसेवामहाविद्यालय
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GOVERNMENT OF INDIA
MINISTRY OF HOME AFFAIRS
NATIONAL FIRE SERVICE COLLEGE
Rajnagar, **NAGPUR - 440 013**

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NO. NFSC/TRG/71-23/NFSC WORKSHOP/2025

Dated:-13th November 2025

SUBJECT : COMPLETION REPORT OF WORKSHOP ON FIRE AND SAFETY MANAGEMENT IN OIL & GAS SECTOR HELD ON NOVEMBER 10th -11th , 2025 AT NFSC , NAGPUR.

Title of the Event:

Two-Day National Workshop on “Fire Safety & Disaster Management in Oil & Gas Sector”

Date: 10th – 11th November 2025

Venue:

National Fire Service College (NFSC), Nagpur

Organized by:

National Fire Service College (NFSC), Nagpur
(Under Ministry of Home Affairs, Government of India)

In collaboration with:

Oil Industry Safety Directorate (OISD),
Ministry of Petroleum & Natural Gas (MoPNG), Government of India

1.Objective of the Workshop



The primary objective of the workshop was to create a platform for knowledge exchange among professionals, academicians, and emergency responders on the emerging challenges, technological advancements, and best practices in Fire Safety and Disaster Management in the Oil & Gas Sector. The event aimed to enhance inter-sectoral coordination, preparedness, and response mechanisms through the sharing of real-life experiences and case studies.

2. Proceedings and Technical Sessions:

Day 1: Monday, 10th November 2025



Inaugural Session

The workshop aimed to enhance knowledge, preparedness, and management of fire safety and disaster response within the oil and gas industry. It was attended by experts, senior officials, and industry leaders who participated in technical sessions and panel discussions addressing vital safety challenges.

The Workshop commenced on 10th November 2025 with the lighting of the lamp and Saraswati Vandana, followed by a floral welcome and safety briefing. Shri N. B. Shingane, Director, NFSC, delivered the Welcome Address, setting the context for the deliberations ahead. A Special Address was delivered by Shri Ved Prakash Mahawar, Ex-Director (T&FS), ONGC, and the Inaugural Address by the Chief Guest, Shri Arun Mittal, Executive Director, OISD.

Dignitaries present included Shri Debendra Kumar Swain, CFO (SAG), Odisha Fire & Emergency Services; Shri Sachin Kelkar, Director (E&P); Shri Neeraj Lal, ED & Asset Manager, B&S Asset, Mumbai; and Dr. A. R. Sontake, Professor, NFSC. The Two Days' Workshop on Fire Safety & Disaster Management in Oil & Gas Sectors, organized by the National Fire Service College (NFSC), Nagpur under the Ministry of Home Affairs, Government of India, in collaboration with the Oil Industry Safety Directorate (OISD), Noida, Ministry of Petroleum & Natural Gas, was held on November 10 and 11, 2025. The total participants in the workshop comprised 12 guest faculty members, 87 delegates from PSU State Fire Service and private Oil & Gas industries, 32 trainees of the Sub-Officers (SO) course, 76 Station Officers (STO), 53 Divisional Officers (D.O) course trainees, and 275 B.Tech students of this college, resulting in a total of 575 participants.

Technical Session 1: Exploration & Production Fire Safety – Challenges & Controls



1. Response & Preparedness for Industrial Disaster – Sh. Ved Prakash Mahawar, Ex-Director (T&FS), ONGC



2. Fire & Explosion Risk Assessment at Offshore Platforms and Production Operations – Sh. Sachin Kelkar, Dir (E&P)

Technical Session 2: Learning from Disasters – Fire Safety & Emergency Preparedness in Oil, Gas & Aviation Sectors



1. Fire & Safety Management in Offshore Hydrocarbon Installations – A Risk-Based Approach
– Sh. Akhilesh P. Meshram, DGM (FS)



2. Containment & Control: Onshore E&P Fire Disasters – Sh. Ajay Kumar, DGM (FS)



3. Response Strategy & Implementation: Airplane Emergency – Sh. Amit Dongre, CFO, Ahmedabad

Technical Session 3: Strengthening Fire Safety Management in Midstream Sector



1. Case Study on LPG Tanker Accident & Hazira Fire – Sh. Vikash, DGM, IOCL, Bangalore

Panel Discussion 1: Fire & Safety Challenges in Oil & Gas Industry – Strategies & Way Ahead

Chairman: Sh. Arun Mittal, ED-OISD

Co- Chairman: Sh. Neeraj Lal, ED & Asset Manager, B&S Asset, Mumbai



Panelists:

1. Sh. Arul Muthunathan, ED, BPCL
2. Sh. Amitabh Singh, Former Head (HSE), ONGC
3. Dr. D. P. Vidyarthi, CGM-HSE, IOCL
4. Sh. M. S. Sudarsan, CGM-HSE, MRPL

Day 2: Tuesday, 11th November 2025

Technical Session 3: Strengthening Fire Safety Management in Midstream Sector

1. Firefighting Philosophy and Facilities at LPG Plants and POL Terminals – Sh. Prasant Shukla, DGM (LPG Opns), BPCL, Lucknow



Technical Session 4: Enhancing Fire Safety and Risk Management in Refineries & Petrochemical Industries

1. Fire Hazard Analysis in Refineries & Petrochemical Complexes – Sh. A. V. Naizul, GM (HSSE), MR, BPCL



2. Fire & Safety for Hydrogen Systems – Sh. Amresh Kumar, DGM, RIL



3. Case Study on Vadodara Refinery Fire – Dr. Maddala Devarayalu, Joint Director, OISD



Panel Discussion 2: Safety in Road Transportation in Oil & Gas Industries

Chairman: Sh. D. K. Sharma, ED-HSSE, HPCL

Co- Chairman: Sh. N. B. Shingane, Director, NFSC



Panelists:

1. Sh. Ravikumar Nair, Former Head (Logistics), Shell
2. Sh. Debendra Kumar Swain, CFO (SAG), Odisha F&ES
3. Sh. Soumitra Bhattacharya, CGM & Head Fire Services, ONGC
4. Sh. Amit Dongre, CFO, Ahmedabad

4. Participation

A total of 535 participants representing Oil & Gas industries, emergency services, academia, and government organizations attended the workshop. The diverse representation ensured rich discussion and sharing of perspectives across sectors.



5. Outcome and Recommendations

The workshop successfully:

- Enhanced awareness on risk assessment, mitigation, and response mechanisms in the Oil & Gas sector.
- Facilitated cross-learning through case studies and panel discussions.
- Strengthened collaboration between NFSC, OISD, and industry partners for future training programs.
- Recommended the need for periodic capacity-building programs and inter-agency drills for improved emergency readiness.



6. Conclusion

The Two-Day National Workshop achieved its intended objectives, providing a comprehensive platform for deliberations on Fire Safety and Disaster Management in the Oil & Gas Sector. The active participation, quality discussions, and actionable recommendations contributed to the workshop's grand success.

Issued by:

National Fire Service College (NFSC), Nagpur
Ministry of Home Affairs, Government of India

Date: 12th November 2025

Place: Nagpur