

Agenda
“Building Competency on
Safe Road Transportation of Hazardous & Dangerous Goods”
Venue: GIDM, Gandhinagar
Date: 26-28 November 2025

Time	Topic	Objectives
Day 1		
09:00 – 10:00	Breakfast	
10:00 – 10:15	Registration	Online Registration
10:15 – 10:30	Inauguration & Pre-Test	• Welcome, Objectives, Expected Outcomes • Pre-Test of Participants
10:30 – 11:30	Overview of India’s Oil & Gas Transportation Risk Profile	• Sector profile, transportation mix • Distribution channels & infrastructure mapping • Accident data trends, and high-risk zones
11:30 – 11:45	Tea/Coffee	
11:45 – 13:00	PNGRB Road Safety Guidelines: Purpose and Key Provisions	• Clauses of PNGRB Road Safety Guidelines • Key mandates for entities • Implications for supervisors
13:00 – 14:00	Lunch	
14:00 – 15:15	Introduction to the Regulatory Framework Governing Road Transport	• Motor Vehicles Act • Motor Transport Workers Act • Petroleum Rules • Explosive Act, • Gas Cylinder Rules, • Static and Mobile Pressure Vessel Rules • Role of PESO
15:15 – 15:30	Tea/Coffee & Snacks	
15.30 – 16.45	Classification & Properties of Hazardous Goods	• Types of petroleum products and gaseous fuels (Petrol, Diesel, LPG, CNG, LNG, ATF) • Classification under UN Dangerous Goods System • Flash points, flammability, toxicity, vapor pressure, density • Material Safety Data Sheets (MSDS) and labeling requirements

16.45 – 17.00	Summary of the day	
Day 2		
09:00 – 10:00	Breakfast	
10:30 – 11:45	Transport Infrastructure, Vehicle Requirements & Safety Checks	• Design and construction of road tankers, bullet tanks and cylinders • PESO-approved vehicle design for petroleum and gas • Maintenance, calibration and periodic testing requirements • Vehicle fitness and safety checks: Inspection criteria, role of testing centers & certifying agencies, and digital tools for recordkeeping of inspections • Vehicle tracking and monitoring systems (AIS 140, GPS) • Tank lorry fittings: safety valves, bonding, earthing, grounding
11:45 – 12:00	Tea/Coffee	
12:00 – 13:15	Operational Safety & Good Practices	• Safe loading/unloading procedures • Journey Management Planning (JMP), risk assessment and scheduling • Driver fatigue management and trip discipline • Fire prevention, spill control, and hazard identification • Safety signage, PPE, and in-vehicle safety kits
13:15 – 14:00	Lunch	
14:00 – 15:15	Technology and Innovation in Hazardous Goods Transport	• Use of telematics, IVMS, and geo-fencing • Automatic braking, rollover prevention, and fatigue alert systems • Digital documentation and e-permits • Automation at terminals and depots
15:15 – 15:30	Tea/Coffee & Snacks	

15.30 – 16.45	Emergency Response & Incident Management	• On-site and off-site emergency preparedness • ERDMP (Emergency Response and Disaster Management Plan) guidelines by PNGRB • Incident reporting and investigation techniques • First responder actions (drivers, crew, and depot staff) • Coordination among transporters, emergency services, police, local authorities, and regulatory agencies • Communication protocols during emergencies and crisis communication with media & public
16.45 – 17.00	Summary of the day	
Day 3		
09:00 – 10:00	Breakfast	
10:30 – 11:45	Training & Capacity Building Techniques	Train the Trainers on: • Principles of adult learning and pedagogy • Training delivery methods: classroom, e-learning, on-the-job • Use of audio-visual aids and simulations • Assessment and feedback techniques • Trainer's role in behavior change and risk perception • Integrating public safety into training, covering awareness campaigns, signage, and evacuation protocols for high-risk areas • Engaging communities along HDG routes through localized safety messaging and drills • Role of trainers in fostering a safety-first culture across personnel and public interfaces
11:45 – 12:00	Tea/Coffee	
12:00 – 13:15	Legal Liability and Insurance	• Liability in case of accidents or spills • Insurance coverage for hazardous goods transport • Legal procedures and documentation for compliance
13:15 – 14:00	Lunch	
14:00 – 15:15	Audits, Inspections & Compliance Monitoring	• PNGRB and PESO inspection procedures • Checklists for driver, vehicle and terminal audits • Compliance documentation: trip logs, permits, SDS, etc. • Internal and third-party audits
15:15 – 15:30	Tea/Coffee & Snacks	

15.30 – 16.45	Case Study Discussion on Jaipur Incident	• Discussion on Jaipur Incident • Root cause analysis and contributing factors • Corrective actions taken and regulatory responses • Key lessons learned for improving road safety and emergency preparedness in hazardous goods transportation
16.45 – 17.30	<i>Post –test and Closing</i>	



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