### Agenda

# "Building Competency on

## Safe Road Transportation of Hazardous & Dangerous Goods"

Venue: GIDM, Gandhinagar Date: 26-28 November 2025

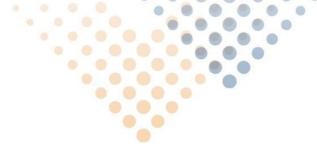
Time	Topic	Objectives					
	Day 1						
09:00 - 10:00	Breakfast						
10:00 - 10:15	Registration	Online Registration					
10:15 - 10:30	Inauguration & Pre- Test	<ul><li>Welcome, Objectives, Expected Outcomes</li><li>Pre-Test of Participants</li></ul>					
10:30 - 11:30	Overview of India's Oil & Gas Transportation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

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

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

# **NOTES**





# Gujarat Institute of Disaster Management

- B/h PDEU, Raisan Village, Gandhinagar
- 079 23275810
- rapc1-gidm@gujarat.gov.in
- www.gidm.gujarat.gov.in