



Government of Goa
Inspectorate of Factories and Boilers
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Ref. No. IFB/MISC/MP/2025/ 317.

Dated: 06.05.2025 (Vaisakha 16, 1947)

CIRCULAR

Sub – Safe transportation of hazardous substances during monsoon – reg.

Introduction:

Transportation of hazardous substances is a critical activity that requires strict adherence to safety standards to prevent accidents and protect public health and the environment. It is critical to manage such materials with the utmost care and caution.

Hazardous substances are substances and articles that have explosive, flammable, toxic, infectious or corrosive properties and pose a risk to public safety, property and the environment. The transportation of these substances involves the implementation of adequate measures to ensure their transit in total security and safety.

The safety requirements to be followed in transportation of hazardous substances by road are laid down as under.

Occupier and Manager of all the factories engaged in handling and storing hazardous substances is hereby advised to instruct the consignor and the transporter or the owner of the goods carriage to comply with the below mentioned requirements to ensure safe transportation of hazardous substances.

General requirements:

1. Every goods carriage carrying hazardous substance shall display a distinct mark of the class label appropriate to the type of hazardous substance.
2. Every package containing hazardous substance shall display the distinct class labels appropriate to the type of hazardous substance.
3. In the case of packages containing goods which represent more than one hazard, such packages shall display distinct labels to indicate the hazards.
4. Every goods carriage carrying goods of dangerous or hazardous nature shall be fitted with a tachograph, an instrument to record the lapse of running time of the motor vehicle, time speed maintained, etc. and a spark arrester.

Class Labels and manner of display of labels:

The Class Labels shall be as per UN Classification and shall be so positioned that the size of the label is at angle of 45 degrees to the vertical and the size of such label shall not be of less than 25 mm square which may be divided into two portions, the upper half portion being reserved for the pictorial symbol and the lower half for the text.

Responsibility of the Consignor for safe transport of hazardous substances:

1. The goods carriage has a valid registration to carry the hazardous substances.
2. The vehicle is equipped with necessary First-aid, Safety equipment's and antidotes as may be necessary.
3. The transporter or owner of the goods carriage has full and adequate information about the hazardous substance being transported.
4. The driver of the goods carriage is trained in handling the dangers posed during transport of such goods.
5. Every consignor shall supply to the owner of the goods carriage full and adequate information about the hazardous substance, being transported as to enable such owner and its driver.
6. To make aware of the safety rules for transportation of hazardous materials.
7. To make aware of the risks created by such goods to health or safety of any person.

Responsibility of the transporter or owner of goods carriage:

1. It shall be the responsibility of the owner or transporter to ensure the following –
 - The goods carriage has valid registration and permit and is safe for the transportation of the said goods.
 - The vehicle is equipped with necessary First-Aid, Safety equipment, tool box and antidotes as may be necessary to contain any accident.
2. The owner or transporter should satisfy himself that the information given by the consignor is full and accurate.
3. The owner or transporter should ensure that the driver being deputed for transportation is trained to handle and transport such hazardous substance.
4. The owner of the goods carriage carrying hazardous substance and the consignor of such goods shall lay down the route for each trip.
5. The owner of the goods carriage should ensure that the driver holds a driving Licence as per provisions of Rule 9 of the Central Motor Vehicle Rules.
6. The driver should have the ability to read and write at least one Indian language and English language.
7. The driver should have successfully passed a course connected with the transport of hazardous substances.

Responsibility of the driver:

1. It is the responsibility of the driver to keep all information provided to him in writing i.e. in the form TREM CARD (Transport Emergency Card). This is to be kept in the driver's cabin and is available at all times while hazardous substance related to it is being transported.
2. Remain vigilant and anticipate obstacles while driving as waterlogged roads can obscure hazards such as potholes, debris or uneven surfaces.
3. Be aware of reduced traction caused by wet surfaces, which can lead to skidding or loss of control.



4. Maintain an appropriate speed that allows for better control of the vehicle on wet and slippery roads.
5. Reduce speed further when encountering areas with standing water, as hydroplaning becomes a significant risk at higher speeds.

Emergency Information Panel:

It is essential for every hazardous substance carrier to display correctly the emergency information panel.

Emergency information panel should be legibly and conspicuously marked in each of the three places specified. So that the emergency information panel faces to each side of the carriage and to its rear and such panel shall contain the following information viz.

- The correct technical name of the hazardous substance in letters not less than 50mm high.
- The United Nations class number for the hazardous substance in letters not less than 100mm high.
- The class label of the hazardous substance in the size of not less than 250mm square.
- The name and telephone number of the emergency services to be contacted in the event of fire or any other accident in letters and numerals that are not less than 50mm high and the name and telephone number of the consignor of the hazardous substance or of some other person from whom expert information and advice can be obtained concerning the measures that should be taken in the event of emergency.

Driver to report to the Police Station about accident:

The driver of a goods carriage transporting any dangerous or hazardous goods shall, on the occurrence of an accident involving any dangerous or hazardous goods transported by his carriage, report forthwith to the nearest police station and also inform the owner of the goods carriage or the transporter regarding the accident.



(Anant S. Pangam)
Chief Inspector of Factories and Boilers

To:
The Occupier and Manager
(As per list enclosed as Annexure – A)

Copy to:

1. The Member Secretary, State Disaster Management Authority, Secretariat, Porvorim, Goa.
2. The Collector, District Magistrate – North Goa & Chairman, District Disaster Management Authority, Collectorate Building, Panaji, Goa

3. The Collector, District Magistrate – South Goa & Chairman, District Disaster Management Authority, Matanhy Saldanha Administrative Complex, Margao, Goa
4. The Director, Directorate of Transport, Junta House, Panaji, Goa
5. The Superintendent of Police – Traffic, Goa Police Headquarters, Near Azad Maidan, Panaji, Goa
6. Office copy