

SAFE TRANSPORT OF DANGEROUS GOODS BY SHIP

Kolkata Port handles hazardous goods of all kinds based on the latest IMDG Code published by IMO along with other extant rules and regulations of the country including Calcutta Port Rules, 1994 & Bye Laws of the Port. Whenever a Vessel intends to import hazardous cargo or to load & export hazardous cargo to/from the Docks or Jetties of Kolkata Port, the agent shall furnish a list of all hazardous cargo with full particulars to the Director, Marine Department & Traffic Manager before arrival or prior to shipment of such hazardous cargo. This list should indicate the IMDG Code/Class, UN No., Flash Point, Packing Group (PG)/IMDG Packing Certificate (i.e. multi modal dangerous good Form) from Shippers etc. against each of the hazardous items.

2. The handling, loading, unloading, transport by road and also stowage, packing, segregation etc for all classes of hazardous goods, following rules and regulations are adhered to:

- a) IMDG Code 2016 (Amendment 38-16) & IMDG Code Supplement
- b) Gas Cylinder Rules, 2016
- c) Petroleum Rules 2016
- d) The Static Mobile Pressure Vessel (Unfired) Rules, 2016
- e) Manufacture, Storage & Import Of Hazardous Chemicals Rules, 1989.
- f) Calcium Carbide Rules, 1987.
- g) Hazardous Waste (Management, Handling & Trans Boundary Movement) Rules, 2016.
- h) Dock Workers (Safety, Health & Welfare) Regulation 1990.
- i) Calcutta Port Rules 1994 & Bye Laws
- j) Ammonium Nitrate Rules, 2012.
- k) Central Motor Vehicles Rules 1989.
- l) AERB safety guidelines for importation & safe handling of "Radio Active material".

3. As regards safe transport & handling of this hazardous cargo in bulk & in packaged/containerized form, following safety measures are adhered to:

- a) Appropriate IMDG danger label, sign & symbol are to be pasted on all four sides of the containerized hazardous cargo and its stowage, packing, segregation etc. are to be made as per the relevant provisions of IMDG Code for Sea Transportation.
- b) Fire Fighting Personnel with appropriate fire fighting equipment are to remain standby throughout the period of handling & loading/unloading operation of the Containers containing Hazardous Cargo.
- c) Appropriate type of Personal Protective Equipment (PPE), Tools, Gears & Lifting appliances etc. are to be used at the time of handling / unloading and delivery of such consignments.

- d) The unloading / loading area is to be isolated by restraining all unauthorized persons from entering into the area. Adequate security arrangements are to be made during the handling of such cargo.
- e) The Containers containing hazardous cargo are to be handled with precaution to avoid any shock, jolt or knock. They must not be dropped, bumped, rolled or otherwise mishandled.
- f) All Electrical Lights & equipment including Walkie-talkie Sets, Mobile Phone for communication between the Ship & the shore should be certified 'intrinsically safe'.
- g) Trained Personnel as per IMO guidelines are to remain standby during the operation with appropriate equipment to avoid spillage/leakage as well as to combat in case of any spillage, leakage, fire etc. "No Smoking" and "No Naked Light" are to be strictly observed and maintained throughout the time of handling & loading / unloading operation.
- h) Such Containers containing hazardous cargo are to be kept away from direct source of ignition, heat & spark etc. even when in transit and should be kept in well ventilated and cool place.

4. A comprehensive statement of IMDG Class description and corresponding guidelines followed by Kolkata Port is furnished in Annexure-'A' for ready reference to clarify how the Port has evolved categorization of hazardous cargo based on the guidelines of IMDG Classification.

ANNEXURE - A

IMDG CLASS (DESCRIPTION)	R E M A R K S
Class 1 (Explosives)	Kolkata Port is not allowed to handle explosives (commercial Explosives) by Chief Controller of Explosives.
Class 2 (Flammable / Non Flammable / Toxic or Poisonous Gas)	Follow the Gas Cylinder Rules, 2016 / Port Bye Laws etc. and the Static Mobile Pressure Vessel (Unfired) Rules, 2016.
Class 3 (Flammable Liquids)	Follow the Petroleum Rules / Calcutta Port Rules.
Class 4 (Flammable Solid / Water Reactive Solid etc.)	Follow Calcium Carbide Rules / Port Bye Laws / Chemical safety data sheet.
Class 5 (Oxidizing / Organic Peroxide)	Follow IMO Guidelines / Chemical Safety data sheet. Ammonium Nitrate Rules, 2012.
Class 6 (Toxic / Poisonous Substances)	Follow IMO Guidelines / Chemical safety data sheet.
Class 7 (Radio Active Substances)	As per the safe handling certificate from Directorate of Atomic Energy Regulatory Board (AERB), Govt. of India, Mumbai.
Class 8 (Corrosive Substances)	Follow IMO Guidelines / Chemical safety data sheet.
Class 9 (Misc Dangerous Substances)	Follow IMO Guidelines / Chemical safety data sheet.