

4.0 SECURE ENCLOSED MOBILE HAZARDOUS WASTE STORAGE CONTAINER

4.1 Application

The container is planned for the reception of various types of hazardous waste, which in the container will be manually sorted into barrels in different hazardous waste categories. The waste categories will be stored in the container until collected.

Container capacity: 30 m³

The container will not be used for transportation of waste, but shall anyway be of a demountable type. Mounting and demounting is to be performed by a truck with a hook loader.

4.2 Dimensions

Inside Approximate Dimensions: 6,000mm Length x 2,300mm Width x 2,250 mm Height.

4.3 Special Specifications

A steel locker with steel shelves for the safe storing of poisonous materials shall be attached in one of the end walls of the container. The locker shall have a height corresponding with the inner full height of the container and be 0.8 m wide. The locker doors shall be lockable with a padlock.



Steel locker.



Ventilation grid

Photos for illustration purpose only and does not indicate any particular model.

The container must be accessible via two sliding trellised gates, each covering approximately half of the length of one container side wall. The door shall be easily and safely opened and closed. When closed the door shall be lockable with a padlock. The firm part of the container wall must be a trelliswork wall. The container shall not be equipped with rear doors.

The mechanisms for opening and closing the sliding doors shall be constructed to keep a stable function throughout the expected lifetime of the container.

In addition to the trelliswork gate and wall, the container must be provided with two ventilation grids in the wall opposite the gate to ensure proper ventilation of the container. The minimum size of the grid must be 0.5 m² each.

The container bottom must be made of steel plate with a material thickness of at least 4mm. The floor must contain an outlet to an underlying storage tank to catch unintended wastage of liquids. The capacity of the storage tank must be at least 1,000 ltr.

4.4 General Specifications

The hazardous waste storage container shall be constructed of steel as Fe 360 b and according to DIN 30 722 requirements. The containers must be dimensioned to avoid substantial changes in functions due to normal and expected load of the container. All hinges and locks shall be constructed using a higher steel quality than specified above.

The hazardous waste storage container must have an in-built compliant spill containment sump.

Bottom and sides shall be constructed to avoid deformations caused by normal and expected load, to avoid difficulty in cleaning and maintaining the container. The front and rear crossbars shall be constructed to avoid the container's corners to settle by normal container handling, e.g. when unloading a fully loaded container at a hard surface.

All reinforcements must be made of all-welded steel profiles.

All mechanisms for opening and closing e.g. container doors shall be constructed to keep a stable function throughout the expected lifetime of the container.

The containers shall be equipped with a standard base frame consisting of two longitudinal profiles and a number of crossbars. Mounting and demounting of the containers is to be performed by a truck with a hook loader.

The containers being offered must be compatible with five existing trucks. It is the tenderer's responsibility to ensure that the proposed containers match with the existing trucks.

Container rollers must have a minimum diameter of 160 mm and be of a good and solid quality, which will not be damaged by maximum load of the container. Bearings must be provided with grease nipples. In case of one centrally located roller, this must have a length of 8-900 mm. In case of two rollers they must preferably have a length of at least 300 mm each and they shall be symmetrically placed.

Parts which because of wearing are expected to be renewed within the normal lifetime of the container shall be simply exchangeable without the use of special tools.

4.5 Finish and painting

The hazardous container shall be coated on the outside and the inside as follows:

- Hot-galvanized steel parts shall be fabricated in compliance with BS/EN ISO 1461.
- Painted surfaces shall be sandblasted and coated with one primer coat and one final coating. Non-toxic, environment friendly paints or coatings shall be utilised to colour the containers. Proof of this is to be attached with the tender offer.
- All painted components shall be painted in green colour. RAL code to be settled according to specifications from WasteServ Malta.

4.6 Life time

The containers must be constructed to have an expected lifetime at substantially more than 10 years at normal continuous operation and maintenance.

Failure to abide by the specifications listed above shall render the Tender null

TENDER PREVIEW