



# TOILET CART

## → STRUCTURE & OVERALL DIMENSIONS

Toilet cart shall be fabricated on a standard automotive chassis. Chassis : Eicher 1050/1075/TATA SFC 709 / 38 Fitted with PTO.Hyd. Pump make Dowty model IP 3072 or IP 6072 BOSS make (Gear pump). Toilet cart shall consists of Two independent Tanks, a water pump, control valves and Gauges, flushing system for waste tank, dump valve, and an elevating workplatform.

## → TANKS

The unit shall have two separate tanks, for waste collection (capacity -1800 Ltrs)and rinsing water tank (capacity -1200 Ltrs.) The tank shall be fabricated from 3 mm thick stainless steel (SS 304 ) material and Shall be easily washable. The inside fitting, welding shall have smooth finish in order to avoid accumulation of sediments. The ends shall be preferably dished spherically and the corners rounded to at least a 75 mm radius.

## → WATER PUMP

The water pump shall be directly connected to the outlet of the rinsing water tank. Centrifugal Water pump fitted with Hydraulic Motor. The capacity of the water pump shall be 120 L/min(26 imp.gal/min) at 3.5 kg/cm<sup>2</sup> (50 psi) measured at the end of the water delivery hose.

## → HOSES

A rinsing water hose shall be connected to the water pump via a suitable control valve. The hose shall be flexible braided type & transparent and made of a non-collapsible material. The hose shall be atleast 5 m (16ft) long and have an inside diameter of 25 mm (1 in).

## → OPERATION

The operation panel shall be provided with water proof electrical switches for operation of water pump (ON/OFF) and platform (UP/DOWN). Emergency operation of platform: -there should be provision to take platform down, in case of Engine / Hyd. Failure.

## → WORKING PLATFORM

An 1.8 x 0.6 Mtrs, lift working platform to be provided at the rear of the vehicle. The lifting height shall range from 1.5Mtrs (59") to 3 Mtrs (118") from the ground. The lifting capacity shall be 200 kg(440 lbs).

## → HYDRAULIC SYSTEM.

The hydraulic oil used in hydraulic system shall be Ultra 10W. The hydraulic system pressure shall be less than 2000 psi. The hydraulic cylinders shall be of seamless tubes with hard chromed piston rods. The hydraulic tank capacity shall be at least 3 times the output of the pump. It shall have an isolator valve, breather, level indicator/gauge, strainer and 30 Micron return line filter element. Hydraulic tank shall be easily accessible for inspection of fluid level and normal maintenance.

