

**Aluminium Container Body Fabrication for 7 ton Bharat Benz Medium Commercial Vehicle**  
**Purpose: Technical Approval & Commercial Quotation**

**1. GENERAL INFORMATION**

Vehicle Capacity : 7 Ton  
Body Type : Fully Covered Aluminium Container Body  
Mounting : Bolted on chassis using approved clamping system

**2. OVERALL INTERNAL DIMENSIONS**

Internal Length(L) : 16.5 Feet  
Internal Width (W) : 7.2 Feet  
Internal Height (H) : 6.6 Feet

Note: External dimensions shall comply with applicable transport authority norms.

**3. STRUCTURAL FRAMEWORK**

**3.1 Main Longitudinal Girders**

- Section Size : 5 inch (125 mm) Aluminium C/I Section
- Material Grade : Aluminium 6061-T6/6082-T6
- Thickness : 5-6 mm

**3.2 Cross Girders**

- Section Size : 3 inch (75mm) Aluminium Channel
- Thickness : 4-5 mm

**4. Flooring**

- Material : Aluminium Floor Panel
- Thickness : 5 mm Plain Aluminium (Standard Use)

**5. SIDE WALL CONSTRUCTION**

- External Panel : Aluminium Plank System
- Plank Thickness : 3-4 mm

## **6. ROOF ASSEMBLY**

### **Outer Roof Sheet**

- Aluminium Sheet : 2-3 mm
- Slight Camber for Water Drainage

### **Inside Top Sealing**

- ACP Panel : 3-4 mm

### **Inside Top Panelling**

- ACP (3mm) + Thermocol Insulation (10-15mm)
- Purpose : Heat Reduction and Moisture Control

## **7. REAR DOOR**

- Double Leaf Rear Door
- Aluminium Frame : 3-4mm
- Heavy-Duty Hinges
- SS 304 Locking System

## **8. CORROSION PROTECTION**

- Isolation Layer Between MS & Aluminium to Prevent Galvanic Corrosion
- Sealant Application at All Joints
- Stainless Steel (SS304) Fasteners Recommended

Note: Body Weight Shall Not Exceed 1000 kg (Preferred)