



Republic of the Philippines  
NATIONAL POLICE COMMISSION  
**NATIONAL HEADQUARTERS, PHILIPPINE NATIONAL POLICE**  
**OFFICE OF THE CHIEF, PNP**  
Camp BGen Rafael T Crame, Quezon City

**MEMORANDUM CIRCULAR**  
NO.: 2021-063

20 MAY 2021

**PRESCRIBING THE MINIMUM TECHNICAL SPECIFICATIONS  
FOR WASTE COLLECTION VEHICLE (GARBAGE DUMP TRUCK)**

**1. REFERENCES:**

- a. NAPOLCOM Memorandum Circular (MC) No. 2019-002 entitled: "Defining the Duty and Authority of the NAPOLCOM to Prescribe Minimum Standards for Uniforms, Arms, and Equipment to be Procured by the Philippine National Police" dated January 29, 2019;
- b. NAPOLCOM Resolution No. 2020-0063 entitled: "Prescribing the Minimum Standards for Waste Collection Vehicle" dated January 30, 2020; and
- c. PNP UESB Resolution No. 2021-02-012 entitled: "Approving the Proposed Technical Specifications for Waste Collection Vehicle (Garbage Dump truck)" dated February 23, 2021.

**2. RATIONALE:**

This Memorandum Circular (MC) sets forth the technical specifications for Waste Collection Vehicle (Garbage Dump Truck) to be used by personnel in maintaining cleanliness of Philippine National Police (PNP) camps.

**3. SITUATION:**

With the approval of NAPOLCOM Resolution No. 2020-0063 (Prescribing the Minimum Standards for Waste Collection Vehicle), a formulation of new specifications is needed in order to procure/purchase the said vehicle.

The PNP has recognized the importance of Waste Collection Vehicle (Garbage Dump Truck) in its commitment to maintain clean environment specially in PNP camps.

**4. PURPOSE:**

To provide and establish the technical specifications for Waste Collection Vehicle (Garbage Dump Truck) that will serve as reference in the procurement of said vehicle.

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## 5. DEFINITION OF TERMS:

- a. Dump Truck – known also as a dumper truck or tipper truck, is used for transporting dumps for construction as well as coal. A typical dump truck is equipped with an open-box bed, which is hinged at the rear and equipped with hydraulic rams to lift the front, allowing the material in the bed to be deposited on the ground behind the truck at the site of delivery.
- b. Garbage Truck – refers to a truck specially designed to collect municipal solid waste and transport it to a solid waste treatment facility, such as a landfill or transfer station. Other common names for this type of truck include trash truck in the United States, and refuse truck, dustcart, rubbish truck, junk truck, bin wagon, dustbin lorry, bin lorry or bin van elsewhere. Technical names include **waste collection vehicle** and refuse collection vehicle (RCV). These trucks are a common sight in most urban areas.
- c. Transmission – refers to a machine in a power transmission system, which provides controlled application of the power.
- d. Engine Displacement – refers to the measure of the cylinder volume swept by all of the pistons of a piston engine, excluding the combustion chambers.
- e. Torque – refers to a force that produces or tends to produce rotation or torsion, also a measure of the effectiveness of such a force that consists of the product of the force and the perpendicular distance from the line of action of the force to the axis of rotation.

## 6. SPECIFICATIONS:

### a. Description

This **Garbage Dump Truck**, also known as a dumper truck or tipper truck, is used for transporting dumps (garbage). A typical dump truck is equipped with an open-box bed, which is hinged at the rear and equipped with hydraulic rams to lift the front, allowing the material in the bed to be deposited on the ground behind the truck at the site of delivery.

### b. Technical Specifications

- 1) Engine
  - a) Fuel : Diesel
  - b) Engine Displacement : 4,000cc
  - c) Power : 140hp
  - d) Torque : 419NM
  - e) No. of Cylinder : 4
- 2) Transmission : 5-speed forward with reverse and

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neutral

- 3) Tires : Six Wheeler
- 4) Steering System : Left hand drive, power-assisted
- 5) Overall length : 6,320mm
- 6) Overall width : 1,955mm
- 7) Wheelbase : 3,380mm
- 8) Color and Markings : White and must conform to the latest NAPOLCOM approved resolution for color and markings
- 9) Requirements : Maintenance and operational manual free PMS for 5,000 kms, 10,000 kms and 20,000 kms to include parts and labor  
: Training (Basic handling and usage)
- 10) Warranty : At least three years or 100,000 kms whichever comes first
- 11) The vehicle must be provided with spare tire with rim, Operators Vehicle Maintenance tools, tire wrench, hydraulic jack, 10lbs fire extinguisher, two reflectorized traffic vests and jumpstart cable.
- 12) Cab : The cab must be provided with seatbelts and must be air-conditioned
- 13) Rear Body : Must be provided with at least 8 cubic meter capacity dump box  
: The material for the dump box shall be G.I sheet gauge 15 with reinforcements  
: The flooring and inside portion of the sidings must be provided with plain stainless steel sheets (gauge 15). The construction of the steel sheet should be sealed in such a way that no water or liquid will seep along the corners  
: Must be provided with two pieces side swing tail gate with lock and rubber paddings  
: Must be provided with hydraulic system capable dumping solid waste
- 14) Must pass the PNP Functional Test and Evaluation.

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**7. REPEALING CLAUSE:**

All other technical specifications contrary to or inconsistent with the provisions of this MC are hereby rescinded, modified or amended.

**8. EFFECTIVITY:**

This MC shall take effect after 15 days from filing a copy thereof at the UP Law Center in consonance with Section 3, Chapter 2, Book VII of Executive Order 292 otherwise known as the "Revised Administrative Code of 1987," as amended.




  
**GUILLERMO LORENZO T ELEAZAR**  
Police General  
Chief, PNP



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