

**HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY CHIEF QUARTERMASTER  
Fort Andres Bonifacio, Metro Manila**

**TEST AND EVALUATION PROCEDURE**

MAR 3 0 2022

**TRAILER, MODULAR MOBILE KITCHEN with EQUIPMENT  
QM SPEC NR OE-22TMMKE (Interim)**

**SECTION 1 – GENERAL**

1. **AUTHORITY:** The Test and Evaluation (T&E) is being conducted in relation with the provisions of the RA 9184.
2. **OBJECTIVE:** The objective of this Test and Evaluation Procedure is to determine the compliance of the Trailer, Modular Mobile Kitchen with Equipment with standards/specifications and operational requirement set forth by the Philippine Army.
3. **SCOPE:** This particular Test & Evaluation Procedure will be applicable on the Trailer, Modular Mobile Kitchen with Equipment, as part of the Test Acceptance Procedure.
4. **METHODOLOGY:** The tests consist of physical (*visual, tactile & dimensional*) inspection, functional test and other test specified herein. Records and brochure check will also be conducted as appropriate. The physical inspection of the sample may be conducted at manufacturer's/supplier facilities.
5. **TEST CRITERIA:** The rating that will be applied is based on the maximum number of allowable defects (*LLD Nr SC-07-04 dtd 25 October 2007*). It shall be a passed (P) or failed (F) criteria.

**SECTION 2 – PROCEDURES**

**1. PHYSICAL INSPECTION**

- 1.1 Purpose: To determine the conformance of the physical characteristics of Trailer, Modular Mobile Kitchen with Equipment to the required specifications.
- 1.2 Procedure:
  - 1.2.1 Visually and manually inspect the components of the Trailer, Modular Mobile Kitchen and Equipment.
  - 1.2.2 Examination of contents of the brochures, instruction manuals and warranty information vis-à-vis product specification.
  - 1.2.3 Measure the dimensions and other measurements of the Trailer, Modular Mobile Kitchen and Equipment.
  - 1.2.4 Actual test of the functionality of the Trailer, Modular Mobile Kitchen and Equipment.



### 1.3 Standard

#### Body Specifications:

##### 1.3.1 Over-all Dimensions

1.3.1.1 Actual measurement of over-all length shall be not less than 4.6 meters to include towing assembly.

1.3.1.2 Actual measurement of over-all width shall be 2.0 meters to 2.05 meters (3.0 meters to 3.2 meters when the 2 side wings and tables are expanded).

1.3.1.3 Actual measurement of overall height shall be not more than 2.8 meters including ground clearance.

##### 1.3.2 Trailer

1.3.2.1 Shall be Heavy-Duty.

1.3.2.2 It shall have 2 tires, size 36x12.5R16.5 Radial.

1.3.2.3 Shall have Heavy-Duty Steel Round Bar or Square Bar, Adjustable Height and Angles with Locking System.

1.3.2.4 Shall have Heavy-Duty Leaf Springs.

1.3.2.5 Equipped with Landing Wheel

##### 1.3.3 Landing Gear

1.3.3.1 It shall have 4 adjustable landing gears, one on each corner.

1.3.3.2 Each leg shall be at least 45 centimeters when fully extended.

1.3.3.2.1 All legs shall be the same length  $\pm$  0.5 centimeters when fully extended/retracted.

##### 1.3.4 Main Body Frames

1.3.4.1 Main Body Length shall be not be less than 3 meters.

1.3.4.2 Main Body Width shall be 2.0 meters to 2.05 meters when 2 working tables are folded.

1.3.4.3 Main Body Height shall be 2.1 meters to 2.2 meters.

1.3.5 Roof Insulation shall be PE Foam, not less than 10mm thick.

1.3.6 Exterior Panel shall be GI sheet, not less than 2.0mm thick.



1.3.7 Side Panel

1.3.7.1 Shall be wing type, with lift support struts and prop rod.

1.3.7.2 Lockable from the inside.

1.3.8 Lift Support Strut shall be pneumatic type with 150 Newton capacity, 2 sets per wing.

1.3.9 Side Tables

1.3.9.1 Width shall be  $33 \pm 5$  centimeters per wing with table support.

1.3.9.2 Shall be lockable from the inside.

1.3.9.3 Shall be foldable with hinges and lock.

1.3.10 Rear Door shall be GI sheet, not less than 2.0mm thick.

1.3.11 Utensils Compartment

1.3.11.1 Material used shall be Stainless steel, not less than 2.0mm thick.

1.3.11.2 Equipped with Heavy-Duty Door Lock Mechanism.

1.3.12 Generator Set Compartment shall be located at the Front Portion with Swing-out Type Door Cover.

1.3.13 Ground clearance shall not be less 45 centimeters.

1.3.14 Track Width shall be 1.735 meters to 1.74 meters.

1.3.15 Tail Light Assembly

1.3.15.1 Shall have 2 each tail light.

1.3.15.2 Tail Lights shall be functional.

1.3.15.3 There shall be 4 reflectors, 1 on each side and 2 at the back.

1.3.16 Body Painting

1.3.16.1 Shall be Olive Drab in all non-Stainless-Steel materials.

1.3.16.2 Shall have anti-corrosion for the body and under chassis.



Electrical Features:

- 1.3.17 Power Supply shall be convertible to Solar, Generator and Grid.
- 1.3.18 Solar Power Assembly shall have a capacity of not less than 2,500 watts.
- 1.3.19 Generator
- 1.3.19.1 The 1 unit, Diesel operated, Silent Type is able to give power to appliances and lights.
- 1.3.19.2 Shall have a capacity of not less than 5,000 watts.
- 1.3.20 Panel Board shall be miniature type.
- 1.3.21 Circuit Breaker shall have 60 Amp Main with double throw switch.
- 1.3.22 Electrical Outlets shall have 2 pcs 2-gang, 220V AC, waterproof.
- DL. 1.3.23 Lighting Device shall have 3 each LED at least 15 watts, 220V AC-
- 1.3.24 Light Switch shall be 2-gang wide.
- 1.3.25 Fixture shall be functional
- 1.3.26 Table
- 1.3.26.1 Shall be made of Stainless Steel not less than 2mm thick with no open ply on edges including holes.
- 1.3.26.2 Shall have under table compartments with aluminum doors for gas stoves, rice cookers, kitchen sink, and fire extinguishers.
- 1.3.27 Kitchen Cabinet
- 1.3.27.1 Shall be made of Stainless steel not less than 25mm thick.
- 1.3.27.2 Shall have three (3) layers with partitions on each layer
- 1.3.28 Exhaust Fan shall be not less than 8 inches in diameter.
- 1.3.29 Kitchen Equipment shall be fixed inside the mobile field kitchen during movement.
- 1.3.30 Stove
- 1.3.30.1 There shall be 2 stoves operated by LPG.



1.3.30.2 The material shall be cast iron, 4-ring.

1.3.30.3 Shall be installed 10 centimeters to 12 centimeters deep from the table.

1.3.31 Sink

1.3.31.1 Shall be stainless steel with drain board and gooseneck faucet.

1.3.31.2 Shall be functional with flowing water.

1.3.31.3 Shall have a sink drain pipe with removable hose not less than 5 meters.


Others

1.3.32 Instructional Package shall contain instructions on the proper care and maintenance of the Mobile Kitchen Trailer.

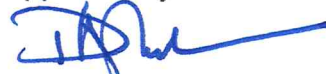
1.3.33 The Mobile Kitchen Trailer with its Equipment will be towed by a KM450 Truck on any road conditions. Observations shall be recorded.

1.3.34 Shall have 1 year warranty on body and parts.

Prepared by:

  
GLENN I SAMBRANO  
Major (QMS) PA  
Chief, Admin/POL Branch

Approved by:

  
DEXTER A MACASAET  
Colonel MNSA (QMS) PA  
Chief

