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SPECIFICATION ARMY(AUST) 37

FOR

TRAILER, 1/2 TON, 2W, PLATFORM BODY

ISSUE 8

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Design Approved

A.J. GARDINER for  
.....Brigadier  
(P.P. JACKSON)  
Chief Superintendent  
Army Design Establishment

11 April 62.

Approved for Production/Procurement

L. R. WILD Lt Col for  
.....  
(.R.R. McNICOLL) Major General  
MASTER GENERAL OF THE ORDNANCE

12 April 62.

1. SCOPE

This Specification covers a two wheeled, platform body trailer of 1/2 ton (short ton) rated capacity.

2. APPLICABLE DOCUMENTS

Reference is necessary to the latest issue of each of the following documents.

2.1 Specifications

- Army(Aust) 83 Tent Lightweight Repair Vehicle
  - Army(Aust) 64 Plugs and Receptacles 12 pin
  - Army(Aust) 65 Cable, intervehicle 8 core
  - Army(Aust) 79 Body, Platform, Workshop, Lightweight
- These specifications are available from Army Design Establishment.

2.1.1 DEF(Aust) 1000 Requirements for Packaging of Stores for the Services.

This specification is available from the Manager, Central Drawing Office, Department of Supply, MARIBYRNONG, Victoria.

2.2 Standards

2.2.1 Standards Association of Australia

- AS-CA8 Welding Code

2.2.2 British Standards Institution

- BS 381C Colours for ready mixed paints.

These standards are available from the Standards Association of Australia (all Capital Cities).

2.3 Drawings

- ADE(V)52 Series Trailer, Platform Body, 1/2 Ton 2Wh
- ADE(M)24-2 Cleaning, Pre-treatment and Painting of Metal

These drawings are available from Army Design Establishment,

2.4 Publications

2.4.1 AMVSC Draft Regulations

These regulations are available from the Australian Motor Vehicle Standards Committee, Department of Shipping and Transport, 497 Collins Street, Melbourne, Victoria.

2.4.2 Handbook of Fuel, Lubricants and Allied Products for Australian Services. This handbook is available from the Directorate of Supplies and Transport, AHQ, Albert Park.

3. DEFINITIONS.

Not applicable.

4. REQUIREMENTS

4.1 The trailer shall be manufactured to the details of the Drawings ADE(V)52- Series.

4.1.1 The trailer chassis shall consist of a tubular main member to which are welded four formed cross members. The extremities of the two central cross members in turn support one longitudinal auxiliary tubular member each; these longitudinals support the suspension assembly.

4.1.2 A body to specification Army(Aust) 79 and tent to specification Army(Aust) 83 supplied in aid by the Department of Army shall be fitted by the contractor.

4.1.3 The trailer, on delivery, shall be in a "ready for the road" condition. The wheel bearings shall be packed with SG280 Grease (See Handbook of Fuels and Lubricants and Allied Products for Australian Services).

4.1.4 The pipe earth Mk.3. designated as item 13 on drawing ADE(V)46-2 shall not be supplied by the contractor.

4.2 Fittings and Accessories. The following shall be supplied and fitted by the Contractor:

4.2.1 The wheels shall be one-piece, drop centre, detachable discs, incorporating a 5.50 F(H) rim as specified in the Tyre and Rim Association Standards Manual.

4.2.1.1 The tyres shall be light truck and utility tyres, 7.50 x 16 nylon cord, 6 ply rating, with butyl tubes. The tyre threads shall be non-directional cross country pattern, e.g. Goodyear "All Service", Olympic "Pattern 31", or similar approved pattern and make.

4.2.2 All lubricating nipples shall be the straight pattern and threaded 1/8 BSP; the tips shall be the hydraulic type.

4.2.3 Electrical Equipment

4.2.3.1 The trailer's electrical equipment shall be suitable for 12 volt DC. All globes shall be fitted.

4.2.3.2 The trailer's lighting shall comply with the requirements of the AMVSC Draft regulations.

4.2.3.3 Flashing turn indicators shall be fitted to the rear of the vehicle.

4.2.3.4 A 12 pin plug (to specification Army(Aust) 64), complete with 8 core cable (to Specification Army(Aust) 65) shall be fitted to the trailer. The cable shall extend 3 feet beyond the end of the towing eye and shall be wired as detailed in the drawing.

#### 4.3 Patterns and Tooling

4.3.1 All new patterns and tooling made for the manufacture of the trailer shall become the property of the Commonwealth and shall be handed over at completion of the contract.

4.3.2 All patterns and tooling used to produce standard components should be maintained by the contractor so that duplicate parts may be produced without further pattern changes.

#### 4.4 Materials

All materials shall be as specified. Where the material is not specified it shall comply with the relevant Australian or British Standard Specification where such exist, or in their absence to any standard specification approved by the Inspecting Officer.

#### 4.5 Workmanship

Workmanship shall be in accordance with best trade practice, Defence, Australian or British Standards and shall be to the satisfaction of the Inspecting Officer.

4.5.1 Welding The preparation for, and the application of all metallic arc welding shall be strictly in accordance with the SAA Welding Code CA 8.

4.5.2 Painting. The preparation of the surfaces for painting and the painting process shall be in accordance with No.41 or 44 of drawing ADE(M)24-2. The colour of the undercoat shall be Light Grey (Colour No.631 of BS 381C) and the finishing colour Deep Bronze Green (Colour No.224 of BS 381C).

4.5.3 Branding All components shall be clearly and indelibly stamped or branded with unless by their nature it is impracticable or undesirable to mark them, under these circumstances the approval of the Inspecting Officer shall be obtained for the omission.

#### 4.6 Tendering

4.6.1 Samples. The Tenderer shall submit samples of all components and all materials designated as approved components or materials. Alternatively, the Tenderer shall state the source of supply in sufficient detail in order that the components and materials can be readily checked or recognised.

4.6.2 Departures Should the Tenderer desire to depart in any manner from the requirements of this specification, such manner of departure shall be clearly shown in the tender, together with a statement of the advantages to be gained by its adoption.

4.6.3 Warranty. Details of the Warranty shall be notified by the Tenderer in his tender.

4.6.4 Rejection. Tenders which are not accompanied by the information asked for above, may be rejected without further consideration.

5. INSPECTION AND TESTS

5.1 Inspection. All supplies shall be subject to the approval of the Inspecting Officer. Any supplies submitted by the Contractor for acceptance which, in the opinion of the Inspecting Officer, are inferior in quality of materials or workmanship, or differ in any respect from the Specification, Drawings, Samples or other particulars (as the case may be) may be rejected by him.

5.2 Tests

5.2.1 Each trailer, loaded to its rated capacity, shall be tested by the contractor as follows:

5.2.1.1 The trailer shall be towed for 5 miles, which shall include running on second class roads or cross-country.

5.2.1.2 On completion of this test, the Inspecting Officer shall check the complete equipment for any defects or failures with particular reference to the adjustment of the wheel bearings.

5.2.2 Tests. The Inspecting Officer may witness the above test and any or all of the Contractor's tests or himself perform any tests or inspection necessary to ensure that the trailers comply with specifications and drawings.

5.2.2.1 Tests to Specifications. The contractor shall be responsible for carrying out any tests required by the Inspecting Officer to ensure that the trailers are in accordance with the Specifications and drawings specified herein.

5.2.2.2 Facilities Provided by Contractor. The contractor shall be responsible for providing any test equipment and facilities, including accommodation, that may be required by the Inspecting Officer for the purpose of ensuring that the trailers comply with the specifications and drawings specified herein.

6. PREPARATION FOR DELIVERY

Packing, packaging, preservation and marking shall be in accordance with the relevant sections of Specification DEP(AUST)1000, or other requirements, as designated in the tender schedule or official order.

7. NOTES

7.1 Intended Use

The trailers will be used for the transportation and setting up of a workshop in the field.

7.2 Ordering Data Procurement documents should specify the following:

7.2.1 Title, number and date of this specification.

7.2.2 Details of type of preservation, packaging identification, labelling etc to be used by contractor.

Prepared by:

Army Design Establishment, for the  
Master General of the Ordnance,  
Army Headquarters,  
MELBOURNE.

Copies of this specification may be obtained from:

Chief Superintendent,  
Army Design Establishment,  
Private Bag No.12,  
P.O. ASCOT VALE, VICTORIA