

MELBOURNE METROPOLITAN TRAMWAYS BOARD.

MELBOURNE

VICTORIA

FIVE (5) OIL-FIRED 25-GALLON URNS FOR
BOILING WATER.

CONTRACT No.

SPECIFICATION

1. GENERAL:

This Specification covers the manufacture, supply and delivery to the Board's Store at Miller Street, Preston, Victoria, of five (5) Oil-Fired 25-gallon urns for boiling water.

The urns are required to provide boiling water for gangs employed on permanent way construction and are to operate under all prevailing conditions of weather.

Each shall be capable of heating twenty-five (25) gallons of water from 60° Fah. to boiling point within 1½ hours.

2. OIL BURNER:

The oil-burner equipment shall be simple to operate and maintain, safeguarded against accident and suitable for use in open air.

If compressed air be required for the oil burners, hand-operated air pumps shall be provided with air reservoirs of adequate capacity, and such reservoirs shall comply with standards Association of Australia Boiler Code C.B.1 - 1952 - Section VIII.

3. BOILERS:

The boilers shall be constructed of non-corrosive metal and shall be easily cleaned. Provision should be made for filling the boilers by hose from a hydrant and for drawing the water through a tap located at least eighteen (18") inches above ground level.

Boilers shall comply with standard Associations of Australia - Boiler Code - 1952 - Section VII. Instantaneous flash type boilers of approved design and manufacture will be considered.

4. CONSTRUCTION:

The complete unit shall be of strong, rigid construction and shall be fitted with wheels or castors to facilitate its removal from one site to another.

5. ACCEPTANCE TESTS:

The Board reserves the right to carry out any examinations

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MELBOURNE AND METROPOLITAN TRAMWAYS BOARD.

MELBOURNE

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MANUFACTURE, SUPPLY AND DELIVERY

OF

TWO (2) MOBILE BITUMEN HEATERS, (OIL FIRED)

CONTRACT No.

SPECIFICATION

1. GENERAL:

This Specification covers the manufacture, supply and delivery to the Board's Store at Miller Street, Preston, Victoria of one (1) or both of two (2) Mobile Oil Fired Bitumen Heaters suitable for the construction and maintenance of tramway permanent way within the Melbourne and Metropolitan area and shall be capable of operating under all prevailing weather conditions.

Each Heater shall consist of a suitable tank and heating unit, with barrel hoist and spraying attachments, properly mounted on a chassis and shall be supplied, complete and self-contained with all control gear, fittings, tools, spare parts, instruction books and drawings essential for satisfactory operation and maintenance.

The term "approved" in this specification shall mean "approved by the Engineer".

2. TANK:

The Bitumen Tank shall have a capacity of at least 140 Imperial gallons. It shall be fitted with hinged or removable weather proof covers and a hooded vent or stack connected to the fire chamber. Approved baffle plates shall be fitted in the fire chamber. It shall be provided at the rear with a quick acting, no drip, draw-off cock, 1½" diameter, fitted with a suitable locking device.

An approved dial type thermometer calibrated to 600° Fahrenheit shall be suitably mounted to show the temperature of the contents of the tank.

3. HEATING UNIT:

Oil Burner or Burners, of the vaporising torch type, capable of heating the full contents of the tank from 50° to 400° Fahrenheit ^{in one hour} shall be fitted. They shall be capable of easy adjustment to give variable heating rates. A spare jet shall be supplied with each burner. The heating unit shall be so designed and fitted as to eliminate all

MANUFACTURE, SUPPLY AND DELIVERY

of
SIX (6) MOBILE TOOL BOXES.

CONTRACT No

SPECIFICATION

1. GENERAL:

This Specification covers the manufacture, supply and delivery to the Board's store at Miller street, Preston, Victoria, of one (1) or more of six (6) Mobile Tool Boxes for use by gangs employed on Permanent Way construction and maintenance.

Each tool box shall be a complete and self-contained unit complete with all necessary parts and fittings as specified hereunder and as shown on the drawing.

The term "approved" in this specification shall mean "approved by the Engineer".

2. DRAWING:

Essential details of the tool boxes required are shown on Drawing No. P.10849 - "Portable Tool Box, No. 9". Tenderers are required to tender for tool boxes constructed in accordance with this drawing, which shall be deemed as forming part of the specification except in so far as any alterations from such drawing are indicated in this specification.

Several tool boxes made to drawing No. P.10849, except for minor alterations, are at present in use in the Board's service and may be inspected by Tenderers with the approval of the Engineer.

3. GENERAL REQUIREMENTS:

The tool boxes shall be absolutely weatherproof and shall admit no water when exposed for long periods ^{to} heavy rain. They shall be strongly constructed and braced to withstand road shocks while being towed.

Side doors and top lid of each tool box shall be on the same side to facilitate loading and unloading. All lids and doors shall be provided with approved locking devices.

A strong tow bar, of approved design, equipped with a flexible spring-loaded connection shall be provided on each tool box to enable

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MANUFACTURE, SUPPLY AND DELIVERY

of

THREE HUNDRED (300) BARRICADE

POSTS and SIX HUNDRED (600)

BARRICADE RAILS.

CONTRACT No

SPECIFICATION

1. GENERAL:

This Specification covers the manufacture, supply and delivery to the Board's Store at Miller Street, Preston, Victoria, of three hundred (300) Barricade Posts and six hundred (600) Barricade Rails for use in Permanent Way construction and maintenance works.

Tenders may be submitted either for the Barricade Posts or for the Barricade Rails or for both the Posts and Rails.

The term "approved" in this Specification shall mean "approved by the Engineer".

2. DRAWINGS:

Tenderers are requested to tender for Barricade Posts as shown on Drawing No. P.10230 and for Barricade Rails as shown on Drawing No. P.12279, both of which drawings shall be deemed as forming part of this Specification.

3. BARRICADE POSTS:

Each Barricade Posts shall be constructed of 2" diameter seamless steel steam pipe, 2-3/8" external diameter, in first-class condition. The tubes forming the base shall be flattened in the centre to provide a stable base and to allow continuous fillet welding around the bottom of the post section. The base and post tubes shall be joined with 8/10 electric weld fillets.

3/16" mild steel gussets, shaped to fit, shall be joined to the post and base with 10/8 electric weld fillets.

The hooks shall be constructed of 5/8" diameter mild steel, heated and bent to shape after assembly in post. The hooks shall be electrically welded to the post with 10/8 fillets.

The completed posts shall stand firmly on a level surface with the upright section vertical. A drainage hole shall be drilled in the base.

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MELBOURNE & METROPOLITAN TRAMWAYS BOARD

MELBOURNE

VICTORIA.

MANUFACTURE, SUPPLY AND DELIVERY

OF

FIVE (5) PORTABLE GANGERS' OFFICES

CONTRACT NO.

SPECIFICATION

1. GENERAL

This Specification covers the manufacture, supply and delivery to the Board's Store at Miller Street, Preston, Victoria of one or more of five (5) Portable Gangers' Offices.

These Portable Offices are required for use on permanent way construction and maintenance works.

Each Office shall be complete and self-contained with fittings, steps, wheels, axles and draw-bar as specified.

The term "approved" in this Specification shall mean "approved by the Engineer".

2. DRAWING

Tenderers are requested to tender for Offices constructed in accordance with Drawing No. S.440 (which shall be deemed as forming part of this specification) except in so far as any alterations from such construction are indicated in this Specification.

3. ALTERNATIVE DESIGN

Consideration will be given to tenders for Portable Gangers' Offices varying in design from those detailed in Drawing No. S.440 provided the general requirements are complied with in the Offices offered.

4. GENERAL REQUIREMENTS

The internal dimensions of the Offices shall be not less than nine (9) feet long by five (5) feet six (6) inches wide and the minimum ceiling height above floor shall be seven (7) feet. External dimensions of the Offices shall be not more than ten (10) feet long by six (6) feet six (6) inches wide and the overall height, on wheels, shall not exceed ten (10) feet six (6) inches.

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MELBOURNE AND METROPOLITAN TRAMWAYS BOARD

MELBOURNE

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MANUFACTURE, SUPPLY AND DELIVERY
OF

TWO (2) PORTABLE LAMP CABINS -

CONTRACT NO.

SPECIFICATION

1. GENERAL

This Specification covers the manufacture, supply and delivery to the Board's Store at Miller Street, Preston, Victoria, of one or both of two (2) Portable Lamp Cabins. These Cabins are required for use on permanent way construction and maintenance works. Each Cabin shall be complete and self-contained with fittings, steps, wheels axles and drawbar as specified.

The term "approved" in this Specification shall mean "approved by the Engineer".

2. DRAWING

Tenderers are required to tender for Cabins constructed in accordance with Drawing No. S.441 (which shall be deemed as forming part of this Specification) except in so far as any alterations from such construction are indicated in this Specification.

3. ALTERNATIVE DESIGN

Consideration will be given to tenders for Portable Lamp Cabins varying in design from those detailed in Drawing No. S.441 provided the general requirements are complied with in the Cabins offered.

4. GENERAL REQUIREMENTS

The internal dimensions of the Cabins shall be not less than six (6) feet three (3) inches long by four (4) feet three (3) inches wide and the minimum ceiling height above floor shall be seven (7) feet.

External dimensions of the Cabins shall be not more than seven (7) feet long by five (5) feet wide and the overall height, on wheels, shall not exceed ten (10) feet six (6) inches.

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MANUFACTURE, SUPPLY AND DELIVERY

of

FOUR (4) MOBILE CONVENIENCES

CONTRACT No

SPECIFICATION

1. GENERAL:

This specification covers the manufacture, supply and delivery to the Board's Store at Miller Street, Preston, Victoria, of one (1) or more of four (4) Mobile Conveniences of the "Kaustine" Latrine Type as follows :-

- A. One (1) large Mobile Convenience fitted with two (2) seats.
- B. Three (3) small Mobile Conveniences each fitted with one (1) seat.

The conveniences are required for use of men working in gangs on permanent way construction and repairs.

Each convenience shall be a complete and self-contained unit mounted on a suitable chassis equipped with all necessary fittings and apparatus, together with all tools, spare parts, instruction books and drawings essential for their satisfactory operation and maintenance.

The term "approved" in this Specification shall mean "approved by the Engineer".

2. DRAWINGS:

Full details of the double seat Mobile Conveniences at present in satisfactory use in the Board's service are shown in Drawings P.10236, W.1791, W.1793 and W.1794 (for double seat conveniences) and P.10258, W.1793, W.1794, W.2027, and W.2029 (for single seat conveniences) while drawing W.2078 shows details of the Kaustine Bowls. Tenderers are required to tender for conveniences constructed in accordance with these drawings, (which shall be deemed as forming part of this Specification) except in so far as any alterations from such details are indicated in this Specification.

3. ALTERNATIVE DESIGN:

Consideration will be given to tenders for Mobile Conveniences varying in design from those detailed in the drawings provided the general requirements are complied with in the conveniences offered.