

MELBOURNE AND METROPOLITAN TRAMWAYS BOARD.

MELBOURNE

VICTORIA

M.E.7

SUPPLY AND DELIVERY
of
ONE (1) ROAD ROLLER (INTERNAL COM-
BUSTION ENGINED)

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) Road Roller (Internal Combustion Engined). The roller may be of either Tandem (two wheel) or Three wheel type and shall be suitable for asphaltic and bitumen penetration surfacing work as carried out in the construction and maintenance of tramway permanent way.

It shall be capable of smooth rolling at uniform speeds and shall be free from noticeable side sway and vibration.

Tenderers may offer quotations for one or both types of rollers. The Board reserves the right to select whichever type of roller it considers the more suitable for its requirements.

The roller shall be complete with all control gear, fittings, tools, spare parts, instruction books, and drawings essential for its satisfactory operation and maintenance.

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

2. ROLLER REQUIREMENTS:

(a) Weight without ballast 6 - 7 tons.

with " 7 - 8 tons.

Weight distribution shall be as uniform as possible with low centre of gravity to enable smooth even rolling without side play.

For a tandem roller, means shall be provided to distribute the weight of the water or other ballast equally over the wheels.

For a three-wheel roller, the weight of the roller and ballast shall be so distributed that the pressure exerted by each inch width of wheel is approximately proportional to the diameter of the wheels.

(b) Roller wheels: For Tandem Roller

Widths - 4'0" min., to 4'3" max., to be the same for both wheels.

MANUFACTURE, SUPPLY, AND DELIVERY
OF
ONE MOBILE SHOVEL AND OVERHEAD LOADER

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) Mobile Shovel and Overhead Loader, Tractor type, capable of operating on permanent way construction and maintenance works.

The Loader shall be complete and self-contained with fittings, apparatus, spare parts and tools together with instruction books and drawings essential for satisfactory operation and maintenance.

The Loader shall be powered by an internal combustion engine of which full particulars must accompany the tender.

It shall be as compact as possible to enable its operation in streets and/or where space is limited.

The shovel shall be loaded at the Front End and discharged at the Rear End of the Loader without turning of the tractor.

All operating levers shall be controlled from the driver's seat, and ample protection shall be provided for the driver on both sides and overhead.

The shovel shall have a holding capacity of approximately 10 cubic feet.

The operation of the shovel (or scoop) by means other than by winch and wire rope will receive favourable consideration.

The tractor wheels shall be of the solid steel type, fitted with pneumatic tyres.

An approved towing device shall be supplied and fitted.

Approved braking shall be provided.

A full description of the Loader offered shall accompany the tender.

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

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SUPPLY AND DELIVERY

of

ONE (1) ENGINE DRIVEN PORTABLE CON-
CRETE MIXER.

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) Engine Driven Portable Concrete Mixer suitable for mixing various types of concrete mixes as required for tramway track pavings and foundations and for general tramway purposes.

The machine shall consist of a suitable compression ignition oil engine driving unit coupled to a revolving drum, batch-type mixer with power operated loading equipment.

It shall be properly mounted on a chassis and shall be supplied complete 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. ENGINE:

The engine shall be a vertical, low speed, cold starting, solid injection compression ignition oil engine of approved make and design, suitable for continuous operation with the grade of fuel at present supplied to the Board's Specification as set out in Appendix "A".

The engine shall be capable of driving the mixer and loading equipment at its recommended operating speed and rated output, without exceeding the horse-power specified by the makers for continuous operation under these conditions.

The engine shall be capable of being started from cold by one man cranking it by hand for not more than five (5) seconds.

The engine shall be fitted with the following items, each of which shall be of an approved type :-