BOARD NELEQUENE AND METROPOLITAN TRANNA

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a ateraing, solid injection congression injection THREE (3) ENGINE DRIVEN PORTABLE AIR COMPRESSORS CONTRACT NO. these is light at present SPECIFICATION as but out in Appoints A.

1. CEINERAL

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MELBOURNE.

This specification covers the manufacture, supply and delivery to the Board's Store at Miller Street, Preston. Victoria, of one or more of three (3) portable air compressors capable of delivering contimiously the following quantities of air at a working pressure of 80 lb. per sq. inch gauge:-

Fach sacing shell be apphils of driving its attached

endine shall be fibted with the following ituna

- (A) One (1) compressor to deliver One hundred and ten (110) cub. feet of free air per minute.
  - (B) One (1) compressor to deliver Two hundred (200) cub. feet of free air per minute.
  - (C) One (1) compressor to deliver Three hundred (300) oub. feat of free air per minute. mater in the

These are required for the maintenance and construction of permanent way within the Melbourne and We tropolitan area and are to operate under all prevailing conditions of weather.

Resiston shall be needs for the adequate cooling of both They shall each consist of a suitable compression ignition oil engine driving unit coupled to an air compressor properly mounted on a chassis, together with all control gear, fittings, 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.

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## (5) ELECTRICALLY DRIVEN PORTABLE AIR FIVE storest lister of COMPRESSORS

CONTRACT No. ..... SPECIFICATION

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1. CENERAL:

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to the Board's Store at Miller St. Preston, Victoria A of one or more of five (5) electrically driven portable air compressors capable of delivering continuously the following quantities of air at a working pressure of 80 lbs. per sq. inch gauge:-

- (A) One (1) compressor to deliver 110 cub. feet of free air per minuto. Seaserilms 200ho trollay aires and
- (B) One (1) compressor to deliver 220 cub. feet of free air per mimute. is the test batmon as ad ilade test all
- (C) Three (3) compressors each to deliver 300 cub. feet of free ette die air per minute. sites Standard Specifications, or, in Berly

These are required for the maintenance and construction of permanent way within the Melbourne and Metropolitan area and to operate under all prevailing conditions of weather, and must be readily portable.

They shall each consist of a direct current electric motor driving unit coupled to an air compressor properly mounted on a chassis, together with all accessary control gear fittings, tools, spare parts, instruction books and drawings essential for their satisfactory operation and maintenance.

2. DRIVING UNITS:

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Bach unit shall be & an approved drip-proof electric motor and of ample horse power designed to operate the air compressor at substantially constant speed under all load conditions from a Direct Current traction supply the voltage of which may fluctuate between 450 and 620 volts. The negative pole of the power supply will be connected to earth. The motor shall be such that commutation will be sparkless over extremes of operating conditions for fixed brush positions,

MELBOURNE AND METROPOLITAN TRAMWAYS BOARD.

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CONTRACT NO. SPECIFICATION

## 1. GENERAL:

This Specification covers the manufacture, supply and delivery to the Board's Store, Miller Street, Preston, Victoria, of pneumatic tools and appurtenances in complete working order, all as set out in 

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### MATERIAL AND WORKMANSHIP: 2.

The materials used in the manufacture of the pneumatic tools shall be the best of their respective kinds. All parts shall be strongly made and well finished to the highest standard of workshop practice. All pneumatic tools shall be so constructed that they can be readily dismantled and re-assembled for the job.

# PAVENENT BREAKERS: States shall be supplied with the sussioner 3.

Pavement Breakers shall be of the heavy duty type, and shall be capable of breaking out the strongest concrete in an efficient manner.

When in operation the breakers shall be free from excessive recoil and shall be properly balanced so as to be easily operated and controlled by one man.

The Pavement Breakers shall be fitted to take 12" hexagon breaker steels, three (3) of which shall be supplied with each breaker. The length of the steels to be supplied shall be 14" beyond the collar.

#### TIE TAMPERS: 4.

Tie Tampers shall each be approximately 40 lbs. weight complete with tamping bar. They shall be of convenient size to be operated by one man standing in an upright position.

Each tie tamper shall be fitted with suitable handles and a tie tamping bar 24" long with a face  $(\mathbf{x}/3" \times \frac{7}{5}")$ .

The tie tampers shall be of such design that the exhaust gases

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