

FORM A: BID
(See B8)

1. Contract Title SUPPLY AND DELIVERY OF MOBILE SERVICE COMBINATION UNITS

2. Bidder

Name of Bidder

Usual Business Name of Bidder as it appears on Invoice (if different from above)

Street

City

Province

Postal Code

Email Address of Bidder

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

GST Registration Number (if applicable)

The Bidder is:

(Choose one)

a sole proprietor

a partnership

a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

Contact Person

Title

Telephone Number

Facsimile Number

Email Address

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D3.

5. Offer The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out on Form B: Prices, appended hereto.

6. Commencement of the Work The Bidder agrees that no Work shall commence until he/she is in receipt of a notice of award from the Award Authority authorizing the commencement of the Work.

7. Contract The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

8. Addenda The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract:

No.	Dated
_____	_____
_____	_____
_____	_____

9. Time This offer shall be open for acceptance, binding and irrevocable for a period of sixty (60) Calendar Days following the Submission Deadline.

10. Signatures The Bidder or the Bidder's authorized official or officials have signed this _____ day of _____, 20____.

Signature of Bidder or
Bidder's Authorized Official or Officials

(Print here name and official capacity of individual whose signature appears above)

(Print here name and official capacity of individual whose signature appears above)

FORM B: PRICES
(See B9)

SUPPLY AND DELIVERY OF MOBILE SERVICE COMBINATION UNITS

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	QUANTITY	UNIT PRICE
1.	Mobile Service Combination Unit	16041	Each	5	

Name of Bidder

FORM N: DETAILED SPECIFICATIONS 16041

MOBILE SERVICE COMBINATION UNIT

1.0 SCOPE

- 1.1 These specifications describe the supply and delivery of a mobile service combination unit capable of producing AC power and being utilized as an air compressor, welder and jump starting unit. The unit shall be installed by The City of Winnipeg, Winnipeg Fleet Management Agency at the Facility 7 Repair Shop at 215 Tecumseh Street, Winnipeg, Manitoba. The unit shall be installed on a steel deck of a fiberglass service body mounted on a 2016 Ford F-450 Cab & chassis vehicle.
- 1.2 The equipment shall be furnished complete and ready for operation. All parts not specifically mentioned, but which are required to complete and place the unit into successful operation, shall be furnished as though specifically mentioned in these specifications. The complete unit and all parts thereof, shall conform in strength and quality of material and workmanship to the best standards and engineering practice of the industry.
- 1.3 It will be the responsibility of the Bidder to inform the City of any deficiencies in these specifications, for under this Contract the Contractor shall be held responsible for the design, performance, reliability and satisfactory operational function of the unit.
- 1.4 The ratings specified herein merely state the minimum values acceptable to the City. There is no intent of implying that these values are sufficient for the design of the unit being bid.

2.0 STANDARDS

- 2.1 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- Society of Automotive Engineers, SAE: http://www.standardsportal.org/usa_en/sdo/sae.aspx
- 2.2 The completed unit and all its components shall comply with all applicable CMVSS and SAE regulations and requirements.
- Canadian Motor Vehicle Safety Standards, CMVSS:
<https://www.tc.gc.ca/eng/acts-regulations/acts-1993c16.htm>

3.0 SERVICE FACILITY

- 3.1 For the purpose of warranty repairs, the Bidder shall have an authorized service facility located within 10 km of the boundaries of the City of Winnipeg. The facility, or a portion thereof, shall be dedicated to the service and maintenance of the type equipment being offered. Further to B9.1, Bidders shall provide a description of the service facility including, but not limited to, number of qualified service staff, years of service experience, and general service capabilities within three (3) Business Days upon request of the Contract Administrator.

4.0 REFERENCES

- 4.1 Provide three (3) references where this equipment is used in a working environment where climatic conditions are similar to the City of Winnipeg.
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5.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

5.1 All items in these specifications must be answered indicating compliance or non-compliance. **Bidders shall state "yes" for compliance or state deviation, or give a reply where requested to do so.** Deviations shall be clearly stated and fully detailed. Alternatives will be considered subject to evaluation.

5.2 Each bidder is required to fill in every blank. **Failure to do so may be used as a basis for rejection of bid.**

6.0 PERFORMANCE

6.1 The combination unit shall be capable of consistent top performance in producing AC power, and being utilized as an air compressor, welder and jump starting system during the summer and winter environments normal to the City of Winnipeg and surrounding area. _____

7.0 COMBINATION UNIT

7.1 **State Year, Make and Model Being Bid:** _____

7.2 Operating weight – **state.** _____

8.0 ENGINE

8.1 **State** make and model of engine being bid: _____

8.2 Type – gasoline engine with electric start with low oil shutdown. _____

8.3 Fuel tank – 25 L capacity approx., EPA compliant, side mount removable tank. _____

9.0 AC POWER

9.1 Capacity – 5000 watt, synchronous, brushless AC generator. _____

9.2 Outlets:

i) One (1) 120 volt, 20 amp duplex. _____

ii) One (1) 120 volt, 30 amp twist lock. _____

iii) One (1) 240 volt, 20 amp twist lock. _____

10.0 DC WELDING

10.1 Type – DC stick, 250 amp. _____

10.2 Welding cables – 25 ft. of 1/0 gauge cables. _____

11.0 COMPRESSOR

11.1 Rating – 23 CFM rated at 100 psi, 150 psi max., **state.** _____

11.2 Tank – 12 US gal. capacity approx., specifically designed for the make and model of combination unit being bid. _____

11.3 Air gauge – located on control panel. _____

12.0 JUMP STARTING

- 12.1 Capabilities – 12 volt, 700 amp *and* 24 volt, 400 amp. _____
- 12.2 Cables – 30 ft. of 1/0 welding cable with heavy duty, 1000 amp clamps. _____
- 12.3 Voltage control – the unit shall provide regulated voltage suitable for use with vehicles equipped with on-board computers. _____
- 12.4 The unit shall be equipped with a failsafe mechanisms to protect the Combination unit in the event that the unit runs out of fuel, or if reverse polarity occurs. **State details.** _____
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- 12.5 Surge protection – required for boosting. _____

13.0 CONTROL PANEL

- 13.1 Type – removable control panel for remote mounting. _____
- 13.2 Control panel shall provide ergonomic access to all control functions including (but not limited to) AC power outlets, welding controls and ports, air compressor controls and gauge, engine controls and hourmeter, jump starting controls with quick plug connector. _____

14.0 WARRANTY

- 14.1 The warranty for the mobile service combination unit shall cover the complete equipment and all parts thereof (with the exception of batteries) against any defects of workmanship, construction and materials for a period of one (1) year. Any article that has become defective during said warranty period and has not proven to have been caused by negligence on the part of the user shall be repaired or replaced at no cost to the City. The warranty shall be effective from the date the equipment is placed into service by the City of Winnipeg. _____

15.0 PERFORMANCE RELIABILITY

- 15.1 The responsibility for the design of the complete unit, its performance and reliability shall rest upon the Contractor. _____
- 15.2 The term "*repeat failures*" as used herein is defined to mean that the same component, assembly, or sub-assembly develops repeated defects, breakdowns and/or malfunctions rendering the unit inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, assembly, or sub-assembly. Minor items or ordinary service adjustments are not included, or considered under the scope of "repeated failures", as well as other factors, such as operational damage due to accidents, misuse or lack of proper maintenance, service and lubrication attention by not following the manufacturer's preventative maintenance schedules. _____

15.3 Where the unit develops repeated failures in service, the Contractor shall make any necessary engineering changes, repairs, alterations or modifications in order to guarantee reliability of performance.

16.0 DELIVERY

16.1 Delivery – the unit and all components thereof shall be delivered F.O.B. with the freight prepaid to the WFMA Facility 7 Repair Shop at 215 Tecumseh Street within **four (4) calendar weeks** from the date of award. The Contractor shall contact the Contract Administrator prior to delivery of the equipment. Equipment shall be delivered within 8:00 am and 3:00 pm on Business Days.

16.2 A pre-delivery inspection shall be performed by the Contractor on all equipment.

17.0 MANUALS

17.1 Installation manual, Operator's manuals and Parts and Service manuals shall be supplied under this Contract. The manuals shall be in English and shall cover the complete equipment including attachments and all components thereof for the exact make and model being bid. CD or online format is preferred where available.

17.2 The following manuals shall be supplied with the units when delivered:

- a) Installation manual – one (1) required. The manual shall outline all details and procedures for a safe, factory approved installation in a mobile work application.
 - b) Operator's manuals – one (1) per unit.
 - c) Parts and service manuals – three (3) complete sets including preventative maintenance schedules.
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