

FORM A: BID
(See B7)

1. Contract Title SUPPLY & DELIVERY OF A PORTABLE STEAM BOILER

2. Bidder

Name of Bidder

Street

City

Province

Postal Code

Facsimile Number

(Mailing address if different)

Street or P.O. Box

City

Province

Postal Code

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

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 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

In witness whereof 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 B8)

SUPPLY & DELIVERY OF A PORTABLE STEAM BOILER

UNIT PRICES

ITEM NO.	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1.	Portable Steam Boiler	07064	Each	1	\$ _____	\$ _____
2.	Operator's Manual	07064	Each	3	\$ _____	\$ _____
3.	Parts, Repair, Service Manuals	07064	Set	1	\$ _____	\$ _____
TOTAL BID PRICE (GST and MRST extra) (in figures) \$ _____ (in words) _____ _____						

 Name of Bidder

FORM N: DETAILED SPECIFICATIONS 07064

PORTABLE STEAM BOILER

1.0 SCOPE

1.1 These specifications describe the supply and delivery of a nominal 10 hp steam boiler for the purpose of thawing catch basins and culverts in the City of Winnipeg. It is the intent of the City to "skid-mount" the boiler and water tank on a City built tandem axle trailer. The mount shall be performed by City personnel at the Facility 7 Repair Shop.

1.2 **State make and model being bid.** _____

2.0 STANDARDS

2.1 The successful bidder shall ensure that all equipment, including the design of the system, be approved by the Manitoba Department of Labour prior to the award of this Contract. In addition, the entire system shall be certified by the Manitoba Department of Labour prior to final acceptance of the unit by the City. Furthermore, all components shall be CGA and CSA approved where applicable.

3.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

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

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

4.0 PERFORMANCE

4.1 Shall be capable of consistent top performance for thawing frozen culverts and catch basins during the winter and spring conditions which are normal to the City of Winnipeg. _____

5.0 SPECIFICATIONS

5.1 Shipping weight – 2,500 lbs. approx., state. _____

5.2 Steam output – 325 pounds of steam per hour minimum, state. _____

5.3 Design pressure – 150 psi approx., state. _____

5.4 Boiler shall be properly insulated to inhibit freezing. _____

5.5 Steam gauge – 0 to 200 psi with graduated readings. _____

5.6 Relief valve – 125 psi approx. _____

5.7 Blow-down valves – one (1) quick opening valve with handle and one (1) slow opening valve. _____

5.8 Low water cutoff and pump control – wired to the oil burner and pump motor. _____

- 5.9 Water supply tank – welded steel construction, insulated, 325 Litre capacity minimum. _____
- 5.10 Oil burner – rated capacity to burn approx. 3 US gal./hr of #1 or #2 fuel oil. _____
- 5.10.1 Oil burner shall include a self-priming system electrically wired to the power supply. _____
- 5.10.2 Flame safeguard relay and photocell flame detector – required. _____
- 5.11 Fuel oil storage tank – minimum 90 Litre capacity, all welded steel construction. _____
- 5.12 Power supply – approx. 5000 watt Honda generating plant capable of producing 120 Volt power to operate oil burner, pump motor and all electrical controls. State make and model being bid. _____
- 5.12.1 Hour meter – required on generator, non-resettable type. _____
- 5.13 Steam hose – 150 ft. of ¾" ID GOODALL N-2069, wire braid, 250 psig, 450°F c/w ¾" NPT ends & hose rack. _____
- 5.14 Flue brush – 2 in. brush with handle for cleaning tubes. _____
- 5.15 All joining of wires shall be soldered and sealed using heat shrink tubing or approved OEM weathertight connections (crimp on electrical connectors for joining wires are not acceptable). _____
- 5.16 Finish – all metal surfaces shall be sandblasted, properly cleaned, free of oil, dirt, rust etc., primed and finished with the Endura paint process including Endura EP32 Intermix Epoxy Primer and 2-4 mils of Endura EX-2C Topcoat paint. _____

6.0 TRAINING

- 6.1 The Contractor shall provide training by qualified staff for City operating and mechanical personnel. The training shall be conducted in separate sessions for each group of personnel. The duration of each session shall be such as to provide adequate familiarization and orientation on the equipment to the satisfaction of the Contract Administrator. The training shall be conducted in Winnipeg at a location to be designated by the Contract Administrator. _____

Note: Pricing should be based on two (2) Working Days for maintenance personnel and two (2) Working Days for operating personnel. Final payment of the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

- 6.2 State if VHS videotape or DVD training aids on the type of equipment being offered is available. _____

7.0 MANUALS

- 7.1 The following manuals shall be supplied with the unit when delivered. The manuals shall be in English and shall cover the complete machine including the engine.

7.1.1 Operator's manual – required, quantity as per Form B: Prices. _____

7.1.2 Parts, repair and service manuals including preventative maintenance schedules for life of unit – CD format preferred, quantity as per Form B: Prices. _____

8.0 DELIVERY

8.1 The unit shall be serviced, ready for operation and delivered F.O.B with the freight prepaid to the City of Winnipeg, Winnipeg Fleet Management Agency, 185 Tecumseh Street, Winnipeg, Manitoba within **eighteen (18) calendar weeks** from the date of official notification of award of Contract. 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. _____

8.2 The Contractor shall fax all equipment serial numbers and hour meter readings to the Contract Administrator one (1) Calendar Week prior to delivery. _____

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

9.0 PERFORMANCE RELIABILITY

9.1 The responsibility for the design of the complete steam boiler, it's performance and reliability shall rest upon the Contractor. _____

9.2 The term "*repeated 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. _____

9.3 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. _____

10.0 WARRANTY

10.1 The warranty on the complete steam boiler and attachments shall include 100% replacement parts and labour at no cost to the City and shall cover the complete equipment and all parts thereof against defects of workmanship, construction and materials for **two (2) years** from the date the equipment is put into service by the City of Winnipeg. _____

Note: See Supplemental Conditions for additional Warranties.

10.2 A new two (2) year warranty period shall be provided for any article that is repaired or replaced under the terms of the "repeated failures" clause (Section 9.0 Performance Reliability). The new warranty period shall be effective from the date of acceptance of the repaired or replaced article. _____