

PART A
BID SUBMISSION

FORM A: BID
(See B7)

1. Project Title

SUPPLY & DELIVERY OF AN 85 H.P. BRUSH CHIPPER

2. Bidder

Name of Bidder

Street

City

Province

Postal Code

(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 D3.1 unless the context otherwise requires.

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 Purchase Order authorizing the commencement of the Work.

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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 Submission.

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 thirty (30) 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)

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FORM B: PRICES
 (See B8)
SUPPLY & DELIVERY OF AN 85 H.P. BRUSH CHIPPER

When entering prices into the table below, **prices shall include** Tire tax.
 When entering prices into the table below, **do not include**
 Federal and Provincial Taxes (Goods And Services Tax (GST) and Manitoba Retail Sales Tax (PST)).
 These taxes shall be extra (see clause B8.1.1)

Bidder to fill in quantities and prices for 1 1-A-1 OR 1-A-2
Bidder to fill in prices for 1B , 1C and 1D

I T E M	DESCRIPTION	SPEC. REF.	U N I T	UNIT PRICE	Q U A N T I T Y	EXTENDED AMOUNT (unit price x quantity)
1-A-1	85 H.P. BRUSH CHIPPER NEW	06 - 032	Ea.	\$ _____	1	\$ _____
OR						
1-A-2	85 H.P. BRUSH CHIPPER DEMO	06 - 032	Ea.	\$ _____	1	\$ _____
1-B	<u>Spare rim and tire</u> identical to rim and tire being bid <u>for Item 1A</u>	06 - 032	Ea.	\$ _____	1	\$ _____
1-C	Operator's Manuals <u>for Item 1A</u>	06 - 032	Ea.	\$ _____	1	\$ _____
1-D	Parts, Repair and Technical Service Manuals <u>for Item 1A</u>	06 - 032	Ea.	\$ _____	1	\$ _____

TOTAL BID PRICE (GST and PST extra) (In figures) \$ _____

(In words) _____

 NAME OF BIDDER

**FORM N: — DETAILED SPECIFICATIONS 06 ~ 032
— ITEMS 1-A-1 or 1-A-2 , 1B , 1C and 1D
85 H.P. BRUSH CHIPPER**

1.0 DESCRIPTION OF EQUIPMENT AND PERFORMANCE

- 1.1 These specifications describe the supply and delivery of a minimum **85 H.P. (63 kW), Brush Chipper — new or demo** with equipment and features as specified herein.
- 1.2 Shall be a heavy duty, trailer mounted brush chipper capable of chipping branches, tree limbs and logs and loading into a dump truck during the summer and winter environment which is normal to the City of Winnipeg.
- 1.3 The chipper and all other items/components shall be the manufacturer's latest models. The chipper shall be furnished complete and ready for operation. Any parts or accessories not specifically mentioned, but which are required to complete and place the chipper (including attachments) in successful operation shall be furnished as though specifically mentioned in these specifications. The complete chipper and attachments, and all parts thereof, shall conform in strength and quality of material and workmanship, to the best standards and engineering practice of the industry.

2.0 OTHER SPECIFICATIONS AND STANDARDS

- 2.1 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 units.
- 2.2 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.
- 2.3 All applicable SAE standards form an integral part of these specifications and shall have precedence in any conflict concerning minimum acceptable standards.
- 2.4 If applicable, the chipper and all its components shall comply with all Canadian Motor Vehicle Safety Act and Manitoba Highway Traffic Act regulations and requirements.

3.0 SPECIFIC QUALIFICATIONS OF MANUFACTURER / BIDDER SPECIFIC TO THIS BID OPPORTUNITY

- 3.1 Further to B9 the manufacturers of the equipment of the type being offered, must have a minimum of three (3) continuous years of experience in the manufacture of brush chippers
- 3.2 Further to B9 the Bidder shall be an authorized distributor/supplier of the equipment being bid.

4.0 SERVICE FACILITY

- 4.1 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. 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.
- 4.2 If a suitable warranty facility is not available within 10 km of the boundaries of the City of Winnipeg, the Bidder may propose that warranty work be performed by the City of Winnipeg Repair Facility. Any Work performed by the City of Winnipeg Repair Facility shall be charged to the Contractor at the Facility's shop rate in effect at the time the work is performed (for example, shop rate for 2006: \$ 73.50/hour and \$ 103.50/hour for overtime and callout).

4.3 Location of the service facility located within 10 km of the boundaries of the City of Winnipeg.

The Bidder shall choose and fill in one of the Clauses listed below. ——— 4.3.1 a) OR 4.3.2 b)

4.3.1 Bidder's own facility location. State the location of the service facility below.

OR

4.3.2 Bidder elects to have warranty work be performed by the City of Winnipeg Repair Facility.

5.0 INSTRUCTIONS FOR COMPLETION OF SPECIFICATIONS

- 5.1 Each bid will be evaluated based on adherence to all terms, conditions and requirements outlined in the Bid Opportunity package.
- 5.2 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.
- 5.3 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 EQUIPMENT TYPE — NEW or DEMONSTRATOR

The Bidder shall choose and fill in one of the Clauses listed below. 6.1 OR 6.2

ITEM 1 - A - 1

6.1 The equipment is new (unused) equipment.

OR

ITEM 1 - A - 2

6.2 The equipment is a demonstrator model.

6.2.1 The demo model shall have less than 100 hours of previous usage.

- a) If a demonstrator model is being offered, state the number of previous hours of usage is on the machine.
-

7.0 BIDDER'S MAKE and MODEL

7.1 State make and model of BRUSH CHIPPER being bid.

8.0 WEIGHTS AND DIMENSIONS

State the following:

- 8.1 Overall length

- 8.2 Overall width.

- 8.3 Operating weight.

9.0 CHIPPING CAPACITY

- 9.1 Capable of chipping branches, tree limbs and logs up to **12 inches** in diameter.

10.0 CHASSIS

- 10.1 Frame — heavy duty metal construction, state dimensions.

- 10.2 Axle — heavy duty, 5,000 lbs. capacity minimum
State rating.

10.3 Suspension

- 10.3.1 Heavy duty to match axle capacity.

- 10.3.2 State suspension type.

- 10.3.3 State suspension rating.

10.4 Tires

- 10.4.1 Tires to match GVWR.

- 10.4.2 State size.

- 10.4.3 State load rating.

- 10.4.4 Rims — steel, automotive style.

- 10.5 Fenders — required, heavy duty.

10.6 Jack leg

- 10.6.1 Jack leg — heavy duty, crank down, located on trailer tongue.

- 10.6.2 Foot pad — stationary, approximately 3 INCHES x 6 INCHES.

- 10.7 Brakes — Electric brakes

10.8 Pintle draw bar

- 10.8.1 Heavy duty, height adjustable draw bar.

- 10.8.2 Sized to match GVWR, Dico Model 20 or equivalent..
State type.

- 10.8.3 Draw bar to be a minimum of five(5) feet in length.

10.9 Safety chains and eye hooks

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10.9.1 Safety chains and eye hooks, required.

10.9.2 Shall conform with C.M.V.S.S. and Manitoba Highway Traffic Act.

10.9.3 Eye hooks to be complete with spring closures.

10.10 Tool box — lockable.

11.0 ENGINE and ENGINE EQUIPMENT

11.1 Engine — four cylinder, diesel fuelled, liquid cooled engine. State make and model being bid.

11.1.1 Horsepower — 85 H.P. (63 kW) minimum, state horsepower.

11.1.2 Displacement — state.

11.1.3 Torque — state max. torque @ rated rpm.

11.2 Radiator — heavy duty with guard rails

11.2.1 Coolant — for — 40°C.

11.3 Air cleaner — dry cartridge type with restriction indicator.

11.4 Fuel filter — spin—on type

11.5 Fuel tank

11.5.1 90 LITERS minimum capacity.

11.5.2 Electronic gauge.

11.5.3 Fully fuelled upon delivery.

11.6 Oil filter — full flow, spin—on type.

11.7 Governor — State type.

11.8 Clutch — mechanical type or clutch less PTO.
State type.

11.9 Throttle — state type.

11.10 Exhaust — mufflered with rain cap or bend and 40° cut—off..
State type.

11.11 Block heater — immersion type.

11.12 Gauges — the following gauges shall be supplied:

11.12.1 Hourmeter.

11.12.2 Fuel.

11.12.3 Voltage/Ammeter, guage or light. State type

11.13 Engine shutdown — LOP and HWT shutdown.

12.0 INFEED TABLE

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- 12.1 Type — heavy duty steel construction
- 12.2 Safety shut—off bar located on **the bottom** of infeed chute.

- 12.3 Two(2) sensitivity settings for stop bar.

- 12.4 Dimensions:
 - 12.4.1 Width — 45 INCHES minimum.

 - 12.4.2 Height — 30 INCHES minimum

 - 12.4.3 Length from nip point — state.

13.0 HYDRAULIC FEED SYSTEM

- 13.1 Feed system — reversible.

- 13.2 Feed system
 - 13.2.1 Horizontal feed rollers:
 - a) One(1) horizontal feed roller

 - 13.2.2 Feed rate — 100 feet per minute.

 - 13.2.3 Unit shall have an engine speed monitoring system to automatically control the rate of feed to match engine rpm.

 - 13.2.4 Unit shall have the following engine speed monitoring and operational characteristics:
 - a) Engine speed RPM to automatically increase if feed rollers stop, before re— advancing cutting material.

 - b) Feed rollers to have automatic reversing mechanism for larger pieces or harder to cut material.

- 13.3 Feed system governor — shall be capable of stopping the feed system at a preset engine rpm less than full throttle speed. Governor shall automatically restart the feed system once the engine reaches full rpm.

- 13.4 Return line filter — replaceable, spin—on cartridge type.

- 13.5 Hydraulic hoses — rated for system operating pressure with 4 to 1 safety factor for burst pressure.

 - 13.5.1 Hydraulic hoses to be protected at wear and scuff locations.

 - 13.5.2 Hose fittings — hydraulic full flow, crimp—on (non—reusable) type.

 - a) Black iron fittings not acceptable on pressure lines.

14.0 DISCHARGE CHUTE

- 14.1 Length
 - 14.1.1 Shall be capable of discharging chips for truck loading.

 - 14.1.2 Approximately 95 INCHES. in lengthy. State length.

- 14.2 270° swivel minimum, state.

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14.3 Chip deflector — adjustable. _____

15.0 ELECTRICAL AND LIGHTING

15.1 Shall be equipped with a lighting system that satisfies the requirements of the Manitoba Highway Traffic Act. _____

15.2 Electrical system — 12 volt, negative ground system. _____

15.3 Starter — electric. _____

15.3.1 Starter switch — keyed, with three(3) sets of keys. _____

15.4 Battery — 600 CCA minimum. _____

15.5 Trailer plug — 6—pole connector, Grote 82—2006 or equivalent. _____

15.6 Combination turn, stop, and tail lights with grommets. _____

15.7 Marker lights— as per CMVSS. _____

15.8 License plate light with bracket. _____

15.9 Warning beacon — Preco model 4261 A. _____

15.9.1 Warning beacon brush guard — required. _____

15.10 All wiring shall be properly protected and secured. Loom is required from trailer plug to tail lights. _____

15.11 All joining of wires and electrical connections (including trailer plug wiring) shall be soldered and sealed with heat shrink tubing. _____

16.0 NOISE LEVEL

16.1 Decibels — 85 decibels max. @ 50 feet 360° around unit. _____

17.0 COLOUR

17.1 The entire unit shall be properly primed and prepared, then painted with the manufacturer's standard color including two coats of polyurethane enamel, Dupont Imron or equal. _____

18.0 SPARE RIM and TIRE

18.1

ITEM 1 — B

Spare rim and tire, identical to rim and tire being bid in Clause 10.4. _____

19.0 TRAINING

19.1 The Contractor shall be required to provide training (at the Contractor's expense) for the City of Winnipeg maintenance and operating personnel. The training shall be divided into two separate sessions, one for maintenance personnel and one for operating personnel.

The duration of the sessions shall be as long as required for adequate familiarization and orientation of the equipment to the satisfaction of the

Contract Administrator. The training shall be conducted in Winnipeg at a time and location designated by the Contract Administrator.

Note: Pricing should be based on one (1) working days for maintenance personnel and one (1) working days for operating personnel. The first payment of the contract on the equipment will not be issued until successful completion of training has been conducted to the satisfaction of the Contract Administrator.

20.0 PERFORMANCE RELIABILITY

20.1 The responsibility for the design of the complete equipment, it's performance and reliability shall rest upon the Contractor.

20.2 The term "repeated failures" as used herein is defined to mean that the same component, subassembly, or assembly develops repeated defects, breakdowns and/or malfunctions rendering the equipment inoperative, or requiring repeated shop correction, service and/or replacement during the warranty period applicable for said component, subassembly, or assembly.

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 schedule.

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

21.0 WARRANTY

21.1 The warranty requirements shall be a minimum of **three (3) years or 3000 hours**, parts and labor inclusive, on the following components and attachments of the BRUSH CHIPPER:

Hydrostatic Pumps	Gear Pumps	Axles	Main Frames
Hydraulic Motors	Diverter Valves	Attachments	Cutter Drum
Control bank and components			

The warranty shall not include regular maintenance items such as bolt on cutting edges, filters, oils, belts etc., or any item deemed as a consumable that is subject to everyday wear and tear, during the regular operation of the unit.

21.2 The Contractor shall warrant the **chipper**, and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user **within two (2) years or 2000 hours**, from the date the equipment is put into service by the City of Winnipeg.

21.3 The Contractor shall warrant all **attachments**, and all parts thereof, against any defects of workmanship, construction and materials, and agrees to repair or replace, without cost to the City, any article that has become defective and not proven to have been caused by negligence on the part of the user within **one (1) year** from the date the equipment is put into service by the City of Winnipeg.

21.4 The Contractor's Winnipeg dealer/representative or service facility, shall

make available all replacement parts and have completed all warranty repairs on any chipper within **ten(10) business days**.

21.5 In the event that the Contractor cannot provide delivery on the repaired chipper within the stated period above (Clause 21.4), the Contractor will supply a chipper of equal or greater operational capability, until such time as the repaired chipper is returned, at no cost to the City.

22.0 MANUALS

22.1 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 and all related attachments.

22.2 **ITEM 1 — C**

22.2.1 Operator's manual — one (1) per unit.

22.3 **ITEM 1 — D**

22.3.1 Parts, Repair and technical service manuals or CD rom. — one (1) per unit.

22.3.2 State whether parts and service information is in text manual or CD rom format.

FORM O: — QUESTIONNAIRE — ITEMS 1-A-1 *or* 1-A-2 , 1B , 1C and 1D

85 H. P. BRUSH CHIPPER

1.0 LIST any significant features that will be supplied standard on the unit being offered, but were not specifically mentioned in the Detailed Specifications:

2.0 LIST three current users of the offered model:

3.0 STATE the location of the service facility:

4.0 DOES the equipment being offered meet or exceed the minimum requirements of the Detailed Specifications?

5.0 LIST any deviations that might be considered less than equal to the Detailed Specifications:
