



THE CORPORATION OF THE CITY OF NIAGARA FALLS
REQUEST FOR TENDER-SUPPLY
RFQ42-2021
SUPPLY AND DELIVER ONE (1) DRUM TYPE BRUSH CHIPPER

SPEC. #47A-6
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SPECIFICATION AND CONFIRMATION

GENERAL SPECIFICATIONS

This specification covers the supply of a new current model year drum type brush chipper.

Bid submitted will be considered non-compliant where minimums are not met and "NO" is specified. No alterations, changes or additions to a factory build will be accepted unless otherwise requested.

DETAILED SPECIFICATIONS

SPECIFY

1. **MAKE AND MODEL**

Example only: Bandit 15XPC or approved equivalent

YEAR _____

MAKE _____

MODEL _____

2. **DIMENSIONS**

SPECIFY

Length overall _____ in.

Height to top of chute _____ in.

Width overall _____ in.

Weight _____ lb.

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3. ENGINE

SPECIFY

165 H.P. minimum, gas, liquid cooled engine,

_____ Yes or No

MAKE _____

MODEL _____

Displacement

_____ cu. in.

H.P. at rated r.p.m.

_____ h.p.

at _____ r.p.m.

The following engine equipment shall be supplied:

Automatic low idle activation when not under load

_____ Yes or No

High engine temperature shut down

_____ Yes or No

Low oil pressure shut down

_____ Yes or No

Restriction indicator on air cleaner

_____ Yes or No

Spark arrestor muffler

_____ Yes or No

12 volt 1,000 CCA battery

_____ Yes or No

Alternator 70 amp. minimum

_____ amp.

105 litre minimum fuel tank

_____ L.

Lockable fuel filler cap

_____ Yes or No

The following gauges shall be supplied:

Voltage gauge

_____ Yes or No

Oil pressure

_____ Yes or No

COMPANY NAME: _____ **SIGNATURE:** _____

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3. **ENGINE (Cont'd)** **SPECIFY**
- Temperature _____ Yes or No
- Tachometer _____ Yes or No
- Hourmeter _____ Yes or No

4. **HYDRAULICS** **SPECIFY**
- Open centre _____ Yes or No
- 2,500 PSI relief pressure _____ Yes or No
- The feed wheels shall be powered hydraulically with an electronic auto feed control _____ Yes or No
- The hydraulic system shall be provided with a reservoir, pump, relief valve, controls, shut-off valve and all lines and fittings required for the proper operation of the unit _____ Yes or No
- Hydraulic tank 12 gallon minimum _____ gal.
- Hydraulic oil level sight gauge _____ Yes or No
- The reservoir shall be equipped with:
- A 10 micron suction filter _____ Yes or No
- A 3 micron return line filter _____ Yes or No
- A ball-type shut-off valve on suction line _____ Yes or No

5. **TRAILER** **SPECIFY**
- Tongue weight _____ lb.
- Single 8,000 lb. min. Torflex axle or approved equivalent _____ Yes or No
- Ring eye pintle hitch, 2 1/2" diameter, 8" adjustable height _____ Yes or No

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5. **TRAILER (Cont'd)** **SPECIFY**
- 2 safety chains 5/16", Grade 70 with
spring loaded latch hooks _____ Yes or No
- Heavy duty tongue jack 8,000 lb. capacity with 15" travel
and foot pad _____ Yes or No
- 12 volt electric brakes with breakaway actuator _____ Yes or No
- Chock holders _____ Yes or No
- Rubber wheel chocks, two (2) _____ Yes or No
- Hoop style cone holder _____ Yes or No
- Flag holders with flags included _____ Yes or No
- Lockable tool box _____ Yes or No
- Mud flaps (2) _____ Yes or No
6. **LIGHTS AND WIRING** **SPECIFY**
- All lighting as required by law for street operation
including stop, directional, tail and license plate lights _____ Yes or No
- All lights to be L.E.D., _____ Yes or No
- Tail light covers _____ Yes or No
- Two rear facing L.E.D. scene lights for feed tray and surrounding
work area _____ Yes or No
7. **FEED SYSTEM** **SPECIFY**
- Feed wheel motor torque 12,800 inch/pounds minimum each
feed wheel _____ Yes or No
- Feed wheel pulling power 2,400 pounds minimum each feed wheel _____ Yes or No

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7. FEED SYSTEM (Cont'd)

SPECIFY

Distance from pinch point to end of feed table approximately
63 inches minimum

_____ in.

Fold down infeed tray 30" minimum

_____ Yes or No

Infeed tray to include a safety control bar located on three
sides of infeed hopper to allow actuation of feed wheels
forward/neutral/reverse

_____ Yes or No

Infeed hopper dimensions 30" high x 54" wide minimum

_____ in. h x _____ in. w

8. CHIPPER UNIT

SPECIFY

Drum size shall be 22 inch diameter minimum

_____ in.

Drum speed 1,500 rpm minimum

_____ r.p.m.

Knives are to be made of hardened tool steel

_____ Yes or No

Knife pockets (4), each pocket holds one knife

_____ Yes or No

Knives are to be 5/8" thick x 5 1/2" wide x 9" long minimum

_____ Yes or No

9. DISCHARGE CHUTE

SPECIFY

Discharge chute shall be of heavy gauge sheet metal construction

_____ Yes or No

Manual three (3) position chip deflector

_____ Yes or No

Method of rotation shall be crank operation

_____ Yes or No

10. PAINT

SPECIFY

Paint shall be manufacturer's standard yellow

_____ colour

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11. OTHER

SPECIFY

Lockable cover over the control console

_____ Yes or No

Winch with 150' of 5/16 synthetic rope and line
for 5000 lbs. maximum pull

_____ Yes or No

12. MISCELLANEOUS

SPECIFY

The unit must be guaranteed to operate effectively and will
be subject to inspection by the City and any deficiencies
corrected by the bidder prior to final acceptance

_____ Yes or No

The following manuals shall be supplied:

Operators (2 copies)

_____ Yes or No

Service and Repair (1 copy)

_____ Yes or No

Parts (1 copy)

_____ Yes or No

Provide factory part number information for the following

Air Filter #: _____

Fan Belt #: _____

Oil Filter #: _____

Fuel Filter #: _____

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13. WARRANTY

SPECIFY

Signed manufacturer's factory warranty to be supplied at time of delivery

_____ Yes or No

Terms: _____

14. GENERAL

SPECIFY

Equipment must be supplied with suitable components to comply with this specification in all aspects

_____ Yes or No

Where minimums are called for the equipment must meet or exceed the capacity size or performance specified

_____ Yes or No

This specification lists only the major details of a unit, therefore it is the supplier's responsibility to deliver fully equipped equipment with compatible components to provide dependable and efficient service

_____ Yes or No

Upon delivery or immediately after, a manufacturer's representative familiar with the equipment will with the City's Fleet Supervisor, Forestry Supervisor and operators, demonstrate the proper operating maintenance and repair procedures as required to meet warranty, and full utilization of the equipment

_____ Yes or No

COMPANY NAME: _____ **SIGNATURE:** _____