

BID SOLICITATION



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 CAPITOL HILL
 PROVIDENCE RI 02908

BID NUMBER: B06221
TITLE: WOOD CHIPPER
BID OPENING DATE AND TIME:
05/02/2006 11:00 AM

BUYER: JOHN O'HARA
 PHONE #: (401) 222 - 2142 ext. 125

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O** ENVIRONMENTAL MANAGEMENT
 DEM DIV OF PARKS AND RECREATION
 2321 HARTFORD AVENUE
 JOHNSTON RI 02919

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 JOHNSTON RI 02919

Requisition Number(s): R74B067522

Item	Class-Item	Quantity	Unit	Unit Price	Total
1.0	<p>ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.</p> <p>020-04 NEW LATEST MODEL WOODSMAN 2114 WOOD CHIPPER AS PER ATTACHED 4 PAGE SPECIFICATION OR EQUAL.</p> <p>PRICE TO INCLUDE DELIVERY AND EMPLOYEE DEMONSTRATION TO: DEM PARKS AND RECREATION SUPPLY DEPOT, 230 WARWICK AVENUE, CRANSTON, RI 02905</p> <p>CONTACT: PAUL ZOLKOS AT 401-461-2160 PRIOR TO DELIVERY.</p> <p>CONTACT: STEVEN T. WRIGHT AT 401-222-2632 FOR ANY ADDITIONAL INFORMATION.</p>	2.00	EA		
				TOTAL:	

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

DELIVERY: _____

RIVIP VENDOR ID#: _____

TERMS OF PAYMENT: _____

**DO NOT SIGN BID ON THIS PAGE!
 USE CERTIFICATION COVER FORM.**

RI DEM Parks & Recreation Wood Chipper Specifications

The following specification describes a hand feed, hydraulically assisted, momentum discharge chipper. Unit shall be capable of chipping up to 14" diameter and produce a dimensional, landscape quality chip. Units shall be capable of chipping whole tree material. Maximum feed rate shall be 95 feet per minute. The complete unit shall comply with application requirements of the vehicle code and OSHA.

- Engine:
 - John Deere Model 4045, water cooled diesel power unit 115 Horsepower @ 2500 rpm, 12 volt, and muffler with rain cap, PT-Tech electric clutch to engage and disengage the chipper function, eliminating the need for clutch adjustment and lubrication.

- Engine Components:
 - Alternator minimum 60 amps
 - Heavy Duty Battery 900 CCA with 00 leads
 - Primary and secondary fuel filter with water separation
 - Heavy Duty two stage air cleaner with dry cartridge
 - Full flow spin on type oil filtration system
 - Auto feed governing system with feed wheel brake
 - High engine temperature, low oil pressure engine shut down system
 - Live hydraulics without engaging clutch
 - Complete engine to be enclosed with lockable sheet metal for vandalism protection
 - Minimum 25 gallon fuel tank

- Electrical:
 - Four function lights to meet ICC regulations
 - All wires to be protected inside of frame or conduit
 - All wires to be double insulated and color coded, minimum of 14 gauge wire
 - Electrical junction box for easy maintenance and trouble-shooting
 - Heavy Duty, dust and weather resistant 7-way trailer connectors

- Dimensions:
 - Length 190"
 - Height 96"
 - Width 72"
 - Weight 7100 lbs minimum

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- Trailer:
 - The main frame to be constructed of 2" x 6" rectangular tubing with 2" x 4" cross members, the mainframe will extend completely under the infeed tray.
 - The tongue will be equipped with a 2.5" pintle style hitch will adjust for height
 - 3/8" safety chains will be supplied
 - Tongue will be of sufficient length to keep the engine housing 5' from the truck gate
 - A lockable combination tool/battery box will be mounted on the tongue

- Axle:
 - Single 7000 lb rated axle
 - Torflex suspension system
 - 12:00 x 16.5 load range "e" tires mounted on spoke style wheels
 - Electric brakes with breakaway disconnect
 - Spare tire- a full size tire and rim shall be supplied

- Infeed:
 - Opening at infeed minimum of 57" wide by 34" high
 - Drum opening minimum 25 1/2" wide by 24" high
 - Reinforced feed tray under feed wheel compression area
 - Infeed bed must be supported on the bottom and sides by frame members
 - Length from feed wheel to ground level must exceed 88"
 - Folding infeed tray must be a minimum 1/4" thick steel
 - Infeed floor to be minimum 1/2" thick steel plate
 - Safety control bar to operated from both sides
 - Safety control bar in the run position to extend in front of the infeed chute

- Chipper Drum
 - Chipper drum 37 1/2" diameter by 24" wide with 3/8" thick plate steel skin
 - Two knife pockets 24" x 8" x 5" deep located 180 degrees apart
 - Four 12" x 5" x 1/2" double sided knives with six 5/8" diameter holes evenly spaced. Two knives in each pocket for a 24" long cut
 - Two replaceable counter knives used to reduce drum wear and improve chip quality
 - Stress proof chipper shaft with a minimum 2 15/16" shaft diameter
 - Two 2 15/16" bore four bolt pillow block double roller spherical bearings, taper lock style, [set screw not acceptable].

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- Chipper Housing
 - Chipper housing to be constructed with ¼" plate steel walls, 3/8" rolled plate steel belly band, ¾" bearing pads
 - The floor of the chipper housing will drop for anvil adjustment. No need for personnel to enter the feed system area at any time.
 - Four sided wear resistant anvil measuring 1" x 1 ¾" x 25"
 - Easy access service door for knife change, with non-slip step and platform

- Discharge Chute:
 - Discharge capable of throwing chips by centrifugal force
 - Discharge chute rotates 360 degrees
 - Chip deflector adjustable without tools
 - Discharge access door

- Feed System
 - One 16" diameter by 24" wide feed roll with serrated teeth
 - Feed wheel will be hydraulically driven using a # 60 chain and sprocket drive assembly, only one motor required.
 - The yoke shall pivot from the in feed end of unit, without the assistance of pressure springs.
 - Top and side panels to enclose feed wheel travel are to keep operator away from moving parts.
 - Fee wheel yoke can be hydraulically raised from both sides of in feed to aid in feeding large material.
 - Auto feed governor system suing two valves, one to divert oil to the tank, the second valve locks the feed roll in the stop position, maintaining constant engine rpm.

- Hydraulic System
 - The vented hydraulic tank will have a minimum capacity of ten gallons and include a lockable cap with sight gauge.
 - External 10 micron spin on filter
 - An internal # 30 mesh wire stainless steel clothe strainer
 - A magnetic plug to clean tank of contamination
 - Direct drive Eaton 6 gpm gear pump
 - Char-Lynn disc style hydraulic motor with a minimum displacment of 24 gpm
 - Cross valves to be o-ring style, all hoses and fittings are o-ring face seal style
 - All hydraulic hoses to have a 3500 psi minimum rating
 - 208 energy cylinder for yoke lifting
 - Hydraulic winch

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- Paint & Finish
 - Machine to be painted Omaha Orange
 - Paint to be baked on powder coat finish
 - All steel shall be P & O plate
 - All decals shall meet OSHA/ANSI approved size and color

- Warranty
 - One year parts and labor

END