



Request for Quote

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

CREATION DATE : 29-MAY-13
 BID NUMBER: 7468379
 TITLE: TRACTOR MOWERS - DOT

 BID CLOSING DATE AND TIME: 19-JUN-2013 10:30:00

BUYER: Hill, Lisa
 PHONE #: 401-574-8118

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 DOA-CS STATE FLEET
 ONE CAPITOL HILL, 2ND FLOOR
 SMITH ST
 PROVIDENCE, RI 02908
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 SMITH ST
 PROVIDENCE, RI 02908
 US

Requisition Number: 1317082

Note to Bidders: QUESTIONS CONCERNING THIS SOLICITATION MAY BE DIRECTED TO QUESTIONS@PURCHASING.RI.GOV, AND MUST REFERENCE THE RFQ NUMBER.

Line	Description	Quantity	Unit	Unit Price	Total
1	TRACTOR MOWERS, PER ATTACHED BID SPECIFICATIONS Line Note to Bidders: The entire bid must be returned including all 5 specification pages. A check mark must be placed next to each item to indicate compliance to each aspect of the specifications. All exceptions must be specifically identified next to each component of the specification. Any supplemental information may be submitted. Bidders must be an authorized manufacturer's representative at the time of bid.	2.00	Each		

Delivery: _____

Terms of Payment: _____

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

STATE OF RHODE ISLAND
DIVISION OF PURCHASES
BID NO. 7468379

A. Engine

HP83: (6.0 .5)@2400
PTO: Power 69 (51)@2400
Type: Diesel
Cylinders: 4
Aspiration: Turbo Charged
Cylinder liners: Wet Sleeved
Displacement: 276 (4.5 liter)

B. Transmission

Standard 12F/12R Power Reverse
Reverser: Yes
On the go shifting: Partial
Traction clutch: Wet
FWD

C. Power Take Off

Independent 540/540E or approved equivalent
PTO Actuation: Electro hydraulic
Economy PTO: Yes
Three Point Hitch

D. Hydraulics

Type: Open Center

E. Electrical

12 volt 960CCA Battery
120 amps Alternator (better)
Battery boost terminals
4 pin 40 amp power outlets

F. Operation Station

Open station with cover plate (roof)

G. Attachments

Brake light kit
Back-up alarm kit
Single horn kit
Front and Rear LED safety lights
License plate bracket
First Aid kit

H. Mower Decks

Side (74") and offset rear Flail (88") or approved equivalent

I. Radio

XTL 1500 Mobile 10-35 watts

Astor Digital Operation 9600

3DB Gain antenna

Two (2) year extended warranty

Five (5) Watt speaker

Installation (location per RIDOT specifications)

Programming

Hardware Features

Ten (10) foot negative ground power cable for dash mount

Mounting hardware (locking)

Flash port Program

Internal speaker

Ignition sense cable

SPECIFICATIONS FOR
INDUSTRIAL HYDRO 88 FLAIL MOWER

A. Unitized Motor Housing

The top of the mower housing shall be 10 gauge steel and the end plates shall be 5/16" thick steel. The end plates shall have bearing guards. The unit shall also replaceable skid shoes.

B. Cutter Shaft

The cutter shaft shall be balanced 4-1/2" diameter and have a 3/8" thick wall with 4 rows of knives. The knife tip speed shall be 8,900 rpm (rubber shock mount not acceptable).

C. Cutter Shaft Bearings

The 1-15/16" cutter shaft bearings shall be grease able, sealed, self-aligning and rated at 3,300 lbs. The bearings shall be attached to the housing with six, grade five, 3/8" bolts. Bearing flanges may be used as a bearing puller. Pillow block bearings are not acceptable.

D. Rear Roller

The rear roller shall be 6" in diameter with a 1/4" wall. It shall be a full length tube and rated at 6,000 lbs. The cutting height shall be adjusted from 0 to 6" increments.

E. Roller Adjustment Bracket

The roller bearings shall be self-aligning, with cast steel cap outboard and neoprene seal inboard. External bearings are not acceptable.

F. Hydraulic Drive System

The unit shall have a piston pump and a motor with a 17 gallon hydraulic reserve oil reservoir tank and 10 micron filter. The unit shall have 2 "B" section drive belts. An automatic spring tension idler belt adjustment shall be used.

G. Knives

The unit shall have 44-pair of coarse cut knives that are reversible and self-cleaning. They shall be 1-3/4" x 3-5/16", .1046 thick and weigh 3 oz. each. They shall be mounted to the cutter shaft on heat treated clevis rings. Extreme service knives.

H. Lift Chains

I. Weight

The unit shall weigh approximately 990 lbs.

J. Paint Color

White

SPECIFICATIONS
FLAIL – 74”

This specification is to describe a side-mounted, hydraulically powered, 74” flail mower with the following minimum specifications.

A. Warranty

Minimum one year parts and labor.

B. Frame

Mid-mount between front and rear wheels of tractor. Main frame to be braced to front axle housing and rear axle. Frame to be capable of interchanging with boom, side mower and side ditcher.

C. Filter

Suction line shall be 100 mesh

Maintenance in-tack filter to be 10 micron, 75 GPM full flow with restriction gauge

E. Mower Lift Assembly

Insert channel inframe work

Cylinders: Lift- single acting 3-1/2 x 9”x 1-1/2

Tilt- single acting 3-1/2x 6-3/16 x 1-1/2

Mower capable of mowing front 90° up to 90° down.

(Specifically excluding a cable and pulley combination lift assembly) Mower to be capable of raising 17” vertically and 6” below.

F. Hydraulics

Gear pump: Steel gear rated @ 51 GPM @ 24000 RPM

Gear motor: Steel gear rated @ 64 HP 2500 RPM

Valve: (to mower head) Two position (electric solenoid controlled with direct acting relief valve) 1-1/4 porting 2000 PSI

Driveshaft assembly rated minimum 184 ft. lbs. torque (rear PTO pump drives available).

Suction Line: 1-1/2”

Motor circuit hoses: 1-1/4

Valve: (for raising and lowering motors) 2- spool, open center tapered positive metering type with adjustable main relief valve.

G. Mower

Cutting width: 74”

Deck material 10 gauge

Side Skirts: 1/2” housing

Full length replaceable skid shoes

Unitized deflector: rubber full length

H. Cuttershaft

Unitized cutter housing: 10 gauge top and ½" inboard and 5/16 outboard end plates with bearing guards.

Full length replaceable skid shoes

Balanced 4-1/2" diameter, 3/8 wall with four rows of knives. Knife tip speed 8900 RPM. Mounting provides anti-jamming seal. (rubber shock mount not acceptable).

I. Rear Roller

6" diameter, ¼" wall, full length tube, rated at 6000 lbs. Cutting height adjustable from 0" to 6" in ½" increments.

J. Roller Bearings

Self-aligning, with cast steel cap outboard and neoprene seal inboard. External bearing not acceptable.

K. Roller Adjustment Bracket

Labyrinth seal formed by recessed tubing protecting bearing from foreign material. ½" x 6" formed roller brackets attached by 4, ½" grade 5 carriage bolts.

Optional roller scraper brackets provided.

L. Widths

Single right side 74" and Rear 88" 12"7"

M. Trash Deflector

Rear- full length rubber; front- metal shield

N. Knives

Coarse cut knives, reversible and self-cleaning

Dimensions- 1¾ x 3-5/15", .1046" thick, 3 oz. each

Number of knives: minimum 36 pairs, mounted back to back

Number of rows: 4

Knife construction: 1¾ x 3-3/16 mounted on forged heat treated rings.

Contract Terms and Conditions

Table of Contents

Terms and Conditions.....VI
 BID STANDARD TERMS AND CONDITIONSVI
 TERMS AND CONDITIONS FOR THIS BIDVI
 VENDOR SPECIFICATIONSVI
 DELIVERY PER AGENCYVI

Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

VENDOR SPECIFICATIONS

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.

DELIVERY PER AGENCY

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.