

City of Portsmouth
Portsmouth, New Hampshire
Public Works Department
Water Division

Bid#11-16
New U55 Kubota or Equivalent
Mini Excavator
With a 2013 Link-Belt 235X3 Trade-In

INVITATION TO BID

Sealed bid proposals, plainly marked “Bid 11-16 New U55 Kubota or Equivalent, Mini Excavator” on the outside of the envelope, addressed to the Finance/Purchasing Department, City Hall, 1 Junkins Avenue, Portsmouth, New Hampshire, 03801, will be accepted until August 12, 2015 @ 2:00 p.m. which time all bids will be publicly opened and read aloud.

The Portsmouth Public Works Water Division is seeking to purchase a New U55 Kubota or Equivalent, Mini Excavator with a 2013 Link-Belt 235X3 track excavator trade-in.

This bid is available at <http://www.cityofportsmouth.com/finance/purchasing.htm> or by contacting the Finance/Purchasing Department at the following number: (603) 610-7227.

Questions may be directed to the Finance/Purchasing Department. Addenda to this proposal, if any, including written answers to questions, will be posted on the City of Portsmouth website under the project heading.

The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

INSTRUCTION TO BIDDERS**I. Preparation of Bid Proposal**

- A. The Bidder shall submit its proposal upon the form furnished by the City (attached). Prices shall be given in both words and figures.
- B. Corrections made to amounts or information requested on the bid form should be made by crossing out the error and entering the new price or information above or below it. The correction must be initialed. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
- C. The bidder's proposal must be signed by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture; by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his/her name and post office address must be shown, by a partnership the name and post office address if each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
- D. All words, figures, corrections shall be in ink or typed. All signatures shall be in ink.
- E. Addenda to this proposal, if any, including written answers to questions, will be posted on the City of Portsmouth website at <http://www.cityofportsmouth.com/finance/purchasing.htm> under the project heading. Addenda and updates will NOT be sent directly to firms. Bidders submitting a proposal should check the web site for addenda and updates after the release date. Bidders should print out, sign and return addenda with the proposal. Failure to do so may result in disqualification.

II. Delivery of Bid Proposals

When sent by mail, the sealed proposal shall be addressed to the owner at the address and in the care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Faxed bid proposals are not acceptable.

III. Withdrawal of Bid Proposals

A bidder will be permitted to withdraw his/her proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

IV. Public Opening of Bid Proposals

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

V. Irregular Proposals and Disqualification of Bidders

Bid proposals that are irregular may be rejected. Irregular bid proposals include the following:

- A. Failure to use the bid form provided or alteration of the form.
- B. Unauthorized additions, conditional or alternated bids, incomplete bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
- C. The addition of any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.

Bidders may be disqualified and the bid proposal rejected for the following reasons:

- A. More than one proposal for the same work from an individual, firm, or corporation under the same or different name;
- B. Evidence of collusion among bidders;
- C. Failure to submit all required information requested in bid specifications;
- D. Bidder is not qualified or able to provide the services or product(s) described in the bid specifications; or
- E. Disqualification is in the best interest of the City of Portsmouth.

AWARD

I. Consideration of Proposals and Award

After the proposals are opened and read, bid results will be available to the public. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern.

Within 30 calendar days after the opening of proposals, if an award is made, it will be made to the lowest, responsible, qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by mail at the address indicated on the proposal.

The award shall not be considered official until such time that a purchase order, fully executed contract or an award letter has been issued by the Finance Director.

No presumption of award shall be made by the bidder until such documents are in hand. Verbal notification of award is not considered official. Any action by the bidder to assume otherwise is done so at his/her own risk and the City will not be held liable for any expense incurred by a bidder that has not received an official award.

III. Reservation of Rights

The City reserves the right to cancel the award at any time before final notification of the successful bidder without any liability against the City. The City of Portsmouth reserves the right to reject any or all bids, to waive technical or legal deficiencies, and to accept any bid that it may deem to be in the best interest of the City.

Bid Specifications

New U55 Kubota Mini Excavator or Equivalent:

For the Water Division of the City of Portsmouth Public Works Department

It is the intent of this specification to describe a New U55 Kubota Mini Excavator or equivalent with the following minimum specifications considered necessary to perform the function indicated. The units shall be new, unused, of current production, design and source from an established, recognizable manufacturer. Standard items in the manufacturer’s published literature, furnished by the bidder, shall be included in the bid. A copy of the specifications for the unit being proposed shall be included with the bid. Any exceptions, variations, and/or deletions must be noted or the bid may be rejected. All components furnished under this specification shall be capable of the stress of municipal snow plowing, and general highway, water and sewer maintenance.

The following are minimum acceptable specifications. Any exceptions shall be noted in the column titled “Actual Bid”.

Minimum Requested:

Actual Bid:

1. ENGINE

- | | |
|--|---|
| <ul style="list-style-type: none"> • Meets Tier 4 Emission | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • Four Cylinder, Liquid cooled Overhead Valve, | <hr style="border: 0; border-top: 1px solid black;"/> |
| Direct Injected, E-CDIS Diesel | |
| <ul style="list-style-type: none"> • 47 +/- HP | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • Fuel Consumption, 75% full load, rated speed 1.9 gph | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • Sound level @ ear canopy model 79 dB(A) or better | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • “F” Shaped fan blades (low noise) | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • Under hood muffler | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • Dual element cyclone type air cleaner with dust cup | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • Fuel / Water separator | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • Self bleeding fuel system | <hr style="border: 0; border-top: 1px solid black;"/> |
| <ul style="list-style-type: none"> • Variable speed cooling fan (fuel conservation) | <hr style="border: 0; border-top: 1px solid black;"/> |

2. HYDRAULIC SYSTEM

- Accumulator _____
- Adjustable auxiliary hydraulics maximum oil flow _____
- Auxiliary hydraulics flow---19.8 gpm SP1, 9.8 gpm SP2 _____
- Auxiliary relief setting--- 2,490 psi _____
- Auxiliary valves and piping routed to arm _____
- Control valve—Maximum 13 spools, parallel, open/closed center _____
- Cushioned travel, swing, boom, and arm circuits _____
- Direct to tank return line (SP1) _____
- Hydraulic pumps --- 2 each Variable type, 1 each. Gear type _____
- Main relief valve setting --- 3,983 psi _____
- Simultaneous boom, arm, bucket, travel and house swing operation _____
- Total flow capacity --- 39.4 gpm _____

3. CYLINDER SPEED

- Boom --- Raise: 2.7 sec. cushioned Lower: 3.4 sec. _____
- Arm ----- Crowd: 2.6 sec. cushioned Dump: 2.6 sec cushioned _____
- Bucket --- Crowd 2.8 sec Dump 2.0 sec _____
- Blade ---- Up 2.0 sec Down 2.8 sec _____
- Boom Swing --- left 6.5 sec right 7.9 sec _____
- Angle blade --- left 2.3 sec right 1.8 sec _____

4. DIGGING PERFORMANCE

- Maximum digging depth 11'10" _____
- Maximum digging height 18'3.7" _____
- Maximum dumping height 13'2.3" _____
- Maximum reach @ ground level 19'6.1" _____
- Maximum vertical digging depth 4'11.6" _____
- Bucket breakout force 11,177 lbf. _____
- Arm breakout force 6,261 lbf. _____

5. DRIVE SYSTEM

- Track type _____
- Two speed travel with Auto Downshift-----1.8 low / 3.1 high _____
- Drive Motor---Two speed axial piston with automatic hydraulic brake _____
- Type of reduction---Two stage planetary final drive with automatic disc brake _____
- Maximum traction force----14,480 _____
- Under carriage shoe width---15.7” _____
- Length of track on the ground----78.3” _____
- Ground contact pressure --- 15.7” +/- _____
- Number of rollers on top --- one _____
- Number of rollers on lower --- 5 double _____
- Angle Blade -36% / 20° Climbing angle, 27% / 15° Crossing angle _____

- Grease adjusted track tensioner _____
- 30° angle and “X” shaped frame _____

6. HYDRAULIC ANGLE BLADE DIMENSIONS

- Blade with x height ----- 77.2” x 16.7” _____
- Maximum lift above ground --- 20.0” _____
- Maximum drop below ground -- 18.3” _____
- Maximum swing angle ----- 25° right and left _____

7. ELECTRICAL

- Engine alternator ----- 12 VDC, 60 amp _____
- Battery ----- 12 VDC, 72 AH, 710 CCA _____
- Instrumentation ----- Auxiliary hydraulic flow presets, battery charging warning light, coolant temperature indicator / warning eco plus system lamp, engine oil pressure warning light, fuel gauge, fuel low warning light, hour meter, pre-heat control light. _____

8. COOLANT AND LUBRICANT CAPACITIES

- Fuel ---- 17 - 20 Gals. _____

- Coolant --- 2 Gals.
- Engine oil --- 2.25 - 2.50 Gals.
- Hydraulic fluid ---- 11.0 - 12.0 Gals.
- Wheel Motor --- 0.24 Gals.

9. DIMENSIONS

- Length ----- 216'' +/-
- Height ---- 100'' +/-
- Width --- 77'' +/-
- Clearance ----- 12.2''

10. SWING

- Unit swing speed --- 9.3 rpm
- Swing motor --- Piston motor with reduction gear drive.
- Automatic, hydraulic cushioned disk brake.
- Ring gear --- Single row shear type bearings. Internal gear built into swivel bearing. Remote lubrication point.
- Boom swing angle ----- 70° LEFT / 55° RIGHT

11. FILTERS

- Cyclonic air filter, duel element, inner and outer elements, with restriction
- Engine oil, cartridge
- Fuel / Water separator and fuel tank clean out port
- Fuel filter, inline and cartridge type
- Hydraulic filters, suction & return, spin on type, oil tank breather. In-line pilot filter, Cartridge type.

12. ACCESSORIES

- 12'' Trenching bucket
- 18'' Trenching bucket
- 36'' Clean up bucket – NO WRIST

- 48” Clean up bucket with wrist
- Hydraulic hammer
- Hydraulic Thumb

13. KEY SPECIFICATIONS

- Operating weight ----- 12500 +/-
- Angle Blade
- Rear Swing Clearance ---- 2.5”
- Auto-idling System
- Intelligent control panel
- Suspension seat

14. SAFETY EQUIPMENT

- Auto house parking brake
- Auto travel motor brake
- Auxiliary hydraulics on / off switch
- Engine safety start lockout
- Grab handles to enter / exit
- Horn
- Joystick and travel control lockout
- Low travel speed reset @ engine start up
- Non-slip surfaces for entry & exit
- Operator protective guards
- Refueling assistant (alarm) to prevent overflow

15. CONTINUED

- Seat Belt Retractable
- Rollover Protective Structure Meets OSHA 1926.1001
- Working Light with guard

16. WARRANTY

- Basic warranty -----24 months / 2000 hours, whichever is first _____
- Rubber track warranty --- 12 mouths or 1000 hours whichever comes first _____

17. TRADE-IN: Track Excavator

- 2013 Link-Belt 235X3 _____
0 swing 56,000 LBS Machine with 308 Hours on it
Excellent condition.

An equivalent new Mini Excavator will be considered that meets the bid specifications. The City in its sole discretion will determine if a Mini Excavator other than a U55 Kubota is an equivalent and satisfies the bid specifications.

New U55 Kubota Mini Excavator
or
Equivalent

BID PROPOSAL FORM

Vendor to specify the Make & Model of Mini Excavator being proposed:

Item #1 New Mini Excavator

\$ _____ \$ _____
Price in Words Price in Figures

Item #2 Warranties:

Basic warranty -----24 months / 2000 hours, whichever is first

\$ _____ \$ _____
Price in Words (if applicable) Price in Figures (if applicable)

Rubber track warranty --- 12 mouths or 1000 hours whichever comes

\$ _____ \$ _____
Price in Words (if applicable) Price in Figures (if applicable)

Item #3 Trade in Allowance: 2013 Link-Belt 235X3 (See Bid Specs)

\$ _____ \$ _____
Price in Figures Price in Words

TOTAL BID:
Items#1 plus Item 2 minus trade-in value

\$ _____ \$ _____
Price in Words Price in Figures

DELIVERY NEW VEHICLE: Bidder must state approximate number of days for delivery. Delivery is expected approximately 30 days from receipt of award. Bidder must deliver vehicle to the Public Works Department, 680 Peverly Hill Road, Portsmouth, New Hampshire.

Approximate Number of Days for Delivery: _____

The undersigned agrees that he/she on behalf of Bidder has read the bid proposal documents, the instruction to bidders' specifications and agrees to the terms and conditions set forth herein. Bidder understands that bid prices shall include delivery FOB to the address identified in the bid documents and bid price shall be firm for at least 45 days.

Bidder further agrees that this bid is not made jointly or in conjunction, cooperation or collusion with any person, firm, corporation or other legal entity.

Bidder agrees no officer, agent or employee of the Owner is directly or indirectly interested in this Bid.

Submitted by Authorized Agent:

(Print Name & Title)

Signature: _____

Date: _____

Company: _____

Address: _____

City/State/Zip: _____

E-mail address: _____

Telephone: _____

Fax: _____