

City of Portsmouth
Portsmouth, New Hampshire
Public Works
Water Division

INVITATION TO BID

Sealed bid proposals, **plainly marked** "Public Works Water Division – Track Excavator" Bid #19-14 **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 September 13, 2013 @ 10:00 a.m. at which time all bids will be publicly opened and read aloud.

Scope: The Water Division is seeking to purchase a 2013 Track Excavator

This bid is available at <http://www.cityofportsmouth.com/finance/purchasing.htm> or by contacting the Finance/Purchasing Coordinator at the following number: (603) 610-7227. Questions can be directed to the Purchasing Coordinator at (603) 610-7227. 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 in 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 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. Contractors submitting a proposal should check the web site daily for addenda and updates after the release date. Firms 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 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.

II. 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.

City of Portsmouth, New Hampshire

Public Works Water Division

BID SPECIFICATIONS

2013 Track Excavator

Technical Bid Specifications

Crawler Hydraulic Minimal Swing Excavator

Bidder is to furnish descriptive literature, complete specifications and all other necessary data on the equipment they propose to furnish. Should Bidder's machine not comply with minimum specification requirements, Bidder shall provide detailed exception and explanation as to variances. Failure to note exceptions to minimum bid specifications shall be cause for immediate rejection of bid.

CATEGORY	SPECIFICATIONS	YES	NO	EXPLANATION
1	Operating Weight:			
	Machine equipped with all attachments as outlined below must be a minimum of 55,997lbs.			
2	Engine:			
	Tier 4A diesel engine with electronic fuel control			
	4-cylinder water-cooled			
	Minimum SAE net 160 Horsepower @ 1,800 rpm			
	Minimum Displacement: 317 cu in (5.2 L)			
	Variable Geometry Turbocharger with intercooler			
	Dual EGR (Exhaust Gas Recirculation)			
	Diesel Particulate Diffuser (Diesel Oxidation Catalyst & Diesel Particulate Filter)			
	High pressure common Rail Fuel System			
	Double element air cleaner with in cab restriction indicator			
3	Hydraulic System:			
	Two (2) variable displacement axial piston pumps			
	Minimum flow 2 x 55.7 gpm			
	Hydraulic tank with site gage capacity 30.1 gallons (114L)			
	Two speed travel with maximum speed of 3.5 mph			
	Automatic Power Boost mode to increase working pressure to minimum 5,340 psi			
	Minimum arm crowd force of 24,730 lbf (ISO), equipped with 9' 8" standard arm			
	Minimum bucket digging force of 34,170 lbf (ISO)			
	Minimum hydraulic oil filtration of 6 microns (main return filter)			
	Pattern Selector Valve- convert joystick control pattern from ISO to SAE (standard equipment)			

Technical Bid Specifications
Crawler Hydraulic Minimal Swing Excavator

Arm and Boom cylinder oil regeneration			
Hydraulic boom cylinder- 4.7" x 3.3" x 53.9" (120 x 85 x 1370 mm)			
Hydraulic arm cylinder- 5.5" x 3.9" x 57.5" (140 x 100 x 1460 mm)			
Hydraulic bucket cylinder- 4.7" x 3.3" x 39.8" (120 x 85 x 1010 mm)			

4 Cab and Controls:

ROPS certified pressurized steel can mounted on 4 fluid mounts			
KAB 815 sliding/reclining cloth upholstered suspension seat with adjustable 4-inch armrests			
Tilttable, low effort SAE controls pre-wired for auxiliary hydraulics			
Climate control heating and cooling with a minimum 18,425 BTU/h heater and a 16,720 BTU/h air-conditioner			
Horn with selectable volume control			
Hi-Def LED 7" color monitor			
On-board self-diagnostic system with memory and service interval reminders			
Monitoring system including: Fuel, Fuel consumption, Engine temperature, Hydraulic oil temperature, ECO gauges and hour and trip meter			
Rearview camera standard			
AM/FM sound system with MP3 auxiliary input jack			
Standard cab features: Digital clock, Dome light, Coat hook, Cup holder, Storage compartments, Floor mat, Footrests, Ashtray			
Intermittent windshield wiper and washer with quick clean function on right joystick			
24-Volt cigarette lighter			
12-Volt outlet standard equipment			
Unit must be equipped with minimum three (3) selectable working modes			
Must be equipped with Anti-theft password protection system			
Maximum inside cab sound level of 73.0 dB			
Maximum outside cab sound level of 99.0 dB			

5 Undercarriage:

Technical Bid Specifications
Crawler Hydraulic Minimal Swing Excavator

	X-Pattern carbody for strength and durability			
	31.5" Triple grouser shoes			
	Automatic downshift between high & low travel speed			
	Maximum ground pressure 4.93 psi			
	Integral relieve valves to provide shock protection for track components			
	Synthetic oil filled lower rollers with outer flanges			
	Travel brake- spring applied hydraulic released disc parking brake built into each motor			
	Gradeability- 70%			
	Protective steel plate for bottom of rotating joint			
6	Swing:			
	Planetary reduction powered by an axial piston motor. Internal ring gear with grease cavity for swing pinion. Swing bearing is single-row shear type ball bearing			
	Minimum swing speed- 11.8 rpm			
	Swing system must be able to maintain side pressure on the ditch and use the arm at the same time so a straight wall can be excavated			
7	Attachment:			
	Boom- box type construction mounted in hardened brass bushings			
	Minimum boom length of 18' 8"			
	Arm mounted to boom in hardened brass bushing			
	Minimum arm length of 9' 8"			
	Factory installed double acting auxiliary hydraulics			
	42" Heavy duty plate lip bucket with ESCO hardware / 1.29 cu yd capacity			
	Minimum reach on ground of 32' 4"			
	Minimum digging depth of 21' 10"			
	Minimum dig height of 35' 8"			
	Minimum dump height of 26' 2"			
	Minimum depth for 8' level bottom 21' 3"			
8	Electrical System:			
	Minimum of 24 Volt system			
	Minimum of 50 Amp alternator			
9	Safety Features:			

Technical Bid Specifications

Crawler Hydraulic Minimal Swing Excavator

Password protected anti-theft start-up device			
Non-slip pads on top of upperstructure			
Engine fan guard			
Center cover over swing motor			
Two (2) safety lockout devices deactivate hydraulic controls- gate lock lever and lifting console			
Travel alarm			
Four (4) ISO complaint mirrors			
Rearview camera standard			
Safety glass windows			
Emergency escape window			

10 Machine Dimensions:

Maximum travel height of 9' 9" (2.96 m)			
Maximum travel length of 29' 0" (8.83 m)			
Maximum width (31.5" shoes) 10' 6" (3.19 m)			
Minimum track length of 14' 8" (4.47 m)			
Maximum tail swing from center of turn table 5' 10" (1.79 m)			
Maximum ground clearance of 17" (440 mm)			

11 Manuals:

Complete set including engine and operators manuals			
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12 Warranty:

Minimum one (1) year / 1,800 hours full machine warranty with an additional two (2) year / 3,000 hour engine warranty and a three (3) year / 10,000 hours structural components warranty			
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13 Trade In

2000 Track Excavator, Hyundai 210LC-3 Hours 4295 approx. Serial #10994			
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MANUALS:

At least one (1) parts manual and one (1) operational manual are required.

WARRANTY:

Warranty shall be one (1) year parts and labor.

Telephone: _____

Fax: _____

The Bidder has received and acknowledged Addenda No. _____ through _____.

All Bids are to be submitted on this form and in a sealed envelope, plainly marked on the outside with the Bidder's name and address and the Project name as it appears at the top of the Proposal Form.