

CITY OF SENECA LIGHT & WATER
DEPARTMENT

INVITATION FOR BIDS
#2016-015 IFB

TRAILER MOUNTED SEWER JETTER MACHINE

ISSUE DATE

November 19, 2016

BIDS DUE

Tuesday
November 29, 2016
By 11:00 A.M.

TO

Chris Brabham
Seneca Light & Water Department
221 E. North First Street
P.O. Box 4773
Seneca, South Carolina 29679

Phone: (864) 885-2706

Fax: (864) 885-0357

cbrabham@seneca.sc.us



FAX COVER SHEET

INVITATION FOR BIDS

Project 2016-015 IFB

Trailer Mounted Sewer Jetter Machine

To register as a Bidder, complete, copy, and return this page ensuring receipt of future addenda or additional information. Please fax this form to (864) 885-0357. All addenda will be forwarded to the contact name and number listed below.

NOTICE: Failure to return the fax cover sheet to register as a Bidder may result in your Firm not receiving addendums. Failure to acknowledge receipt of all issued addendums may cause your Bid to be considered Non-Responsive. Check City of Seneca's internet site: www.seneca.sc.us, select Business and then Current Bid Proposals.

Company Name _____

Mailing Address _____

City, State, Zip _____

Contact Name _____

Phone Number _____ Fax _____

Email Address _____

The City of Seneca web site www.seneca.sc.us

THIS IS NOT AN ORDER

INVITATION NUMBER: 2016-015 IFB
DATE OF INVITATION: November 19, 2016

BIDS WILL BE RECEIVED AT:

City of Seneca Administration Building
221 E. North First Street; P.O. Box 4773
Seneca, South Carolina 29679

UNTIL 11:00 A.M. LOCAL TIME ON **TUESDAY, NOVEMBER 29, 2016.**

INTRODUCTION

City of Seneca Light & Water (*City / SL&W*) is soliciting bids from interested parties to supply new equipment as specified herein. Interested parties are invited to submit a bid to supply said item to SL&W. Bids must be submitted on the bid form contained herein and must be mailed or delivered to the above address. Also, bids may be submitted via facsimile transmission. The bid shall be submitted with the reference number 2016-015 IFB clearly printed on the face of the envelope/page/sheets. Bids must be complete and in U.S. dollars. See instructions and conditions enclosed herein.

SL&W reserves the right to reject any and all bids, or any part thereof, negotiate changes in bids, accept any bids or any part thereof, waive minor informalities or defects in any bids, and not to award the proposed contract if it is in the best interest of SL&W.

SL&W shall not be held responsible for Responder's lack of understanding of what is required by this bid. Should a Responder not understand any aspect of this bid request, or require further explanation, or clarification regarding the intent or requirements, it shall be the responsibility of the Responder to seek guidance from SL&W.

Resulting from this solicitation, SL&W may negotiate a contract with the responsive offeror whose offer conforming to this solicitation appears to be the most advantageous to SL&W. The City of Seneca Light and Water Department reserves the right to reject any or all offers if such action is in the best interest of SL&W, and waives informalities and minor irregularities.

This solicitation is not to be construed as a commitment of any kind nor does it commit SL&W to pay for any costs incurred in the submission of an offer or for any other incurred cost prior to the execution of a formal contract. **BIDDER/VENDOR TERMS AND CONDITIONS: PROSPECTIVE BIDDERS ARE CAUTIONED TO PAY PARTICULAR ATTENTION TO THIS CLAUSE.** Bidder/Contractor imposed terms and conditions which conflict with this Invitation for Bid terms and conditions are considered counter offers and, as such, will cause Seneca Light & Water (SL&W) to consider the bid non-responsive.

If a Responder attaches additional terms and conditions as part of the bid, such attachments must be accompanied by a disclaimer stating that in the event of conflict between the terms and conditions of this Invitation for Bids and the terms and conditions of the Bidder/Contractor; the terms and conditions of the Invitation for Bids will prevail.

Please direct all responses and/or questions concerning this Invitation for Bids to:

Chris Brabham
Seneca Light & Water
P.O. Box 4773, Seneca, SC 29679
Telephone: 864.885.2706
Fax Number: 864.885.0357
Email: cbrabham@seneca.sc.us.

Questions must be submitted in written form prior to 1:00 P.M. E.S.T. Monday, November 28, 2016. Questions submitted after that date and time will not be due a response.

SCOPE OF WORK

- I. Description of Solicitation: Seneca Light & Water (City) seeks to procure a trailer mounted sewer jetter machine of commercial grade to be used for public utility maintenance/repair work. The selected supplier shall:
 - a. Provide, deliver, and fully warrant a trailer mounted sewer jetter machine of commercial grade to Seneca Light & Water.
 - b. Provide minimum of three (3) Operation Manuals, warranty information and other required documentation.
2. Location: All products shall be delivered to the SL&W facility located at 308 E. North Third Street, Seneca SC.
3. Equipment: All standard equipment and items and additional features shall be included unless stated otherwise. Equipment must meet or exceed all local, state, and federal regulations in effect at time of delivery. All equipment shall be new and in working order prior to acceptance. All delivery and associated expenses are to be included in the submitted bid price unless otherwise stated.
4. Specifications: Trailer Mounted Sewer Jetter Machine Commercial Grade

SPECIFICATIONS

1. GENERAL

- 1.1 It is the intent of these specifications to describe the minimum requirements for a high pressure hydraulic sewer cleaner designed to use high velocity water jets in storm, sanitary and combined sewers, pipe drains and other conduits to remove obstructions, sand, solidified grease, roots and other materials. The unit, including all necessary equipment, shall be complete and ready for use. All parts not specifically mentioned which form part of the complete unit shall conform in design, strength and quality of material and workmanship to the highest standards of engineering practice.
- 1.2 The high-pressure sewer-cleaning unit shall be the manufacturer's standard as may be modified to meet the specifications. It shall be equipped with the manufacturer's equipment and accessories which are in the advertisement and published literature for the unit.

2. PUMP

- 2.1 The pump shall be of own manufacture and a radial piston diaphragm design, eliminating packings and piston seals, no exceptions. The pump shall be capable of continuous operation at maximum designed pressure and must be capable of running dry continuously at full speed without damage and without recirculating water in the crankcase or using shutdown devices. The pump shall be capable of producing 4,000 psi with a flow up to 18gpm. Crankshaft speed on the pump shall not be less than 1,000 rpm, any variations of this design will be unacceptable.
- 2.2 All moving parts shall be contained in an oil bath crankcase and at no time shall any of the moving parts, except valves, come in contact with water.
- 2.3 Pump crankcase shall contain eight (8) stainless steel barrels. Each barrel shall contain a tubular nitrile diaphragm, inlet valve and delivery valve, no exceptions
- 2.4 Pump shall be direct driven using flexible couplings. Use of belt drives will not be acceptable.
- 2.5 The high-pressure pump shall have a five year limited warranty or 2,000 hours (whichever comes first) against components which fail due to defects in workmanship or material. See attached warranty policy for details. The pump shall be protected from over pressurization via a plastic safety blow out disc. Pressure relief valves are unacceptable due to the possibility of mechanical failure.

3. WATER TANK

- 3.1 The unit shall contain one rotationally molded polyethylene water tank, the capacity of which shall be no more than 350 gallons with a minimum operating time of 18 minutes.
- 3.2 The water tank shall be mounted on a support assembly specifically designed for this purpose.
- 3.3 An overhead type tank filling assembly with a 2-1/2" fire hydrant fitting shall be located on the curbside. An adaptor to convert from 2-1/2" hydrant fitting to 3/4" garden hose shall also be supplied. A positive air gap anti-siphon system shall be incorporated to protect the potable water supply.
- 3.4 The tank shall contain a 2" spherical valve to enable easy gravity draining of water.
- 3.5 The tank shall be vented and shall have a removable lid to permit inspection and access into the tank.
- 3.6 The tank shall have a removable mesh strainer basket in the top of the tank at the fill point to prevent debris from entering when the tank lid is removed.

4. TRAILER

- 4.1 Trailer shall be a single axle trailer with 6,460 lbs. GVWR.
- 4.2 Trailer shall be equipped with 8-lug chrome wheels with 9.50 x 16 Load Range G trailer tires.
- 4.3 Trailer shall be equipped with electric brakes on both wheels, E-Z Lube bearings and a safety breakaway switch.
- 4.4 All necessary clearance and running lights shall be included.
- 4.5 Trailer shall be furnished with a 2 5/16" fixed ball hitch and quick connect electrical connector.

5. CONTROLS

- 5.1 All gauges, switches, levers, etc., necessary for the operation of the unit shall be on the curb side of the unit adjacent to the hose reel so that the operator has complete control of the cleaning operation while working from one location.
- 5.2 The following instruments and controls shall be included as standard:
 - i. Keyed engine ignition switch, charging light, oil pressure light and engine hour meter to be enclosed in a weather proof box with a clear, see through cover which is capable of locking and closing and opening while in operation
 - ii. Pressure gauge for water system
 - iii. Throttle
 - iv. High pressure/recycle selector control valve
 - v. Lever for controlling the speed and direction of the hose reel when moved backwards or forwards from a central position

6. HOSE REEL

- 6.1 The hose reel shall be designed to withstand maximum working pressure without distortion.
- 6.2 Capacity of the hose reel shall not be less than 500 ft. of 1/2" high-pressure plastic hose.
- 6.3 The outside diameter of the hose reel end discs shall not exceed 23".
- 6.4 The reel shall be driven by hydraulic power in both directions. The hydraulic drive shall have sufficient power to retract the hose when fully extended into the sewer with the sewer cleaning jet in operation.
- 6.5 The unit shall be equipped with a centrally mounted pivoting hose reel which shall be capable of rotating about a vertical axis through 180° with five (5) locking positions.

- 6.6 The controls for the hose reel shall be mounted to the hose reel frame which enables them to move with the hose reel when it pivots.
- 6.7 The hose reel frame shall be constructed of sectional steel tubing. No angle iron construction shall be accepted

7. HOSE REEL DRIVE SYSTEM

- 7.1 The hydraulic power for powering the hose reel shall be by means of a pump directly driven from the auxiliary engine; hydraulic motor with direct drive to the hose reel; an oil reservoir; a direction and speed control valve and hydraulic hose rated to withstand the maximum system pressure, NO chain drives will be acceptable.
- 7.2 The oil filter shall be the return type and have a replaceable cartridge.
- 7.3 The oil reservoir tank shall have a capacity of at least 8.0 gallons.

8. SEWER CLEANING HOSE

- 8.1 The hose shall have a minimal I.D. of ½", and minimum burst pressure of 10,000 psi.
- 8.2 The unit shall be equipped with a 500-ft. continuous length of Green Cobra Sewer hose.

9. PIPING

- 9.1 All piping subjected to high pressure shall have a minimum burst pressure of 14,000 psi.
- 9.2 A filter of the in-line type with an 80-mesh screen shall be installed in the suction line at a location permitting easy accessibility for cleaning.

10. ENGINE

- 10.1 The engine shall be a DUETZ three-cylinder, oil-cooled, industrial type diesel having a minimum capacity of 142 cubic inches, no other Engine will be acceptable.
- 10.2 The following accessories shall be furnished:
 - i. 12-volt keyed ignition system with battery charging alternator and charging light
 - ii. Cable variable speed control throttle
 - iii. Centrifugal governor
 - iv. Replaceable cartridge type oil filter
- 10.3 The engine shall have a continuous rating of 49 hp at 3,000 rpm.
- 10.4 The engine fuel tank shall have a minimum capacity of 17 gallons, and shall have a sight gage on the side of the tank visible to the operator.

11. GEARBOX

- 11.1 The gearbox shall bolt to the engine and shall directly drive the pump via flexible couplings with a reduction ratio of 2.6:1.

12. PAINTING

- 12.1 Before painting, all metal shall be blasted and primed.
- 12.2 The unit frame and fenders shall be powder-coated standard Harben white, red, blue or black.
- 12.3 The hose reel shall be powder-coated standard Harben red.
- 12.4 Unit to have 3M Brand reflective orange pin striping along each Side of frame.

13 STANDARD ACCESSORIES

- 13.1 500 Ft. of ½” 4000psi working pressure Kevlar Reinforced, Green Tuff-skin Cobra High Pressure Hose manufactured by Polyflow, No substitutes will be accepted
- 13.2 10 Ft. ½” Orange Safety Leader Hose – 14,000 psi minimum burst
- 13.3 9” Drain Jet Extension
- 13.4 2” Tiger Tail Hose Protector
- 13.5 Two (2) High Efficiency Two Piece Drain Jets in the Following Combinations:
 - i. 3 Rear, 1 Forward
 - ii. 6 Rear
- 13.6 12 Volt Auxiliary Outlet
- 13.7 Harben ‘P’ Pump Manual
- 13.8 Harben Operating Instructions Manual
- 13.9 Harben ‘P’ Pump Service DVD
- 13.10 Duetz Engine Manual
- 13.11 Ten (10) White Pressure Discs (4,000 psi)
- 13.12 Training Course at factory
 - 13.13 Split Style level wind with Hose Footage Counter
 - 13.14 Swing away mounted LED Manhole Light
 - 13.15 LED Strobe Light, mounted above standing eye level as to not to impede visibility of operator
 - 13.16 Fender-mounted Aluminum Lockable Toolbox, both Fenders
 - 13.17 Fender-Mounted fill Hose Basket, mtd top of curbside toolbox
 - 13.18 Upgrade to Free-Spin Hydraulic Selector
 - 13.19 MK II Safety Gun, Fitted with High Velocity Jet and 15° Fan Jet, with a holder mounted to the unit, No substitutes will be accepted
 - 13.20 ½” Aquamole Button nozzle 1F6R, No substitutes will be accepted
 - 13.21 ½” Warthog Nozzle with “Descaling-Head” configuration, No substitutes will be accepted
 - 13.22 ½” ENZ Chisel Nozzle, No substitutes will be accepted
 - 13.23 MPR-100 Orange Manhole Protector Ring, No substitutes will be accepted
 - 13.24 25’ Hydrant rated Fill Hose with 2-1/2” Female Swivel Hydrant Threads by 2-1/2” Aluminum Part “C”.

Signed copies of the 'Certification Regarding Debarment and Other Responsibility Matters' must be included in the proposal package.

Certification Regarding Debarment & Other Responsibility Matters

By submitting a Bid, the responder/bidder certifies, to the best of his/her knowledge and belief, that -

- I. Bidder and/or any of its Principals -
 - (A) Are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any state or federal agency;
 - (B) Have not, within a three-year period preceding this bid, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of bids; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and
 - (C) Are not presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission or any of the offenses enumerated in paragraph I(B) of this provision.

- II. Bidder has not, within a three-year period preceding this offer, had one or more contracts terminated for default by any public (Federal, state, or local) entity.
 - (A) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; business manager; head of a subsidiary, division, or business segment, and similar positions).
 - (B) Bidder will provide immediate written notice to the City if, at any time prior to contract award, Bidder learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
 - (C) If the Bidder is unable to certify the representations stated in paragraphs (I), Bidder must submit a written explanation regarding its inability to make the certification. The certification will be considered in connection with a review of the Bidders responsibility. Failure of the Bidder to furnish additional information as requested by the City may render the Bidder non-responsible.
 - (D) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (A) of this provision. The knowledge and information of a Bidder is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
 - (E) The certification in paragraph I(A) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Bidder knowingly or in bad faith rendered an erroneous certification, in addition to other remedies available to the City of Seneca, the City may terminate the contract resulting from this solicitation for default.

Authorized Signature

Date

BID SUBMISSION FORM

**CITY OF SENECA LIGHT & WATER
Invitation for Bid #2016-014 IFB
Trailer Mounted Sewer Jetter Machine**

BIDDER'S QUESTIONNAIRE

Note: Failure to provide the information requested in this questionnaire may be cause for rejection of the solicitation on the basis of non-responsiveness.

Name of Your Business: _____

Street Address: _____

Mailing Address if Different: _____

City: _____ State: _____ Mailing Zip: _____

Telephone: _____ Fax: _____ E-Mail: _____

How many years has the business been under the above name? _____

Previous business name(s) if any: _____

Bid Acceptance Period _____ Days. *(Bids providing less than thirty (30) calendar days for acceptance may be considered non-responsive and may be rejected.)*

Are you acting as a broker or the primary supplier in this transaction?

- Primary Supplier
- Broker
-

Business Information (Please check all that apply):

- My business is Individual
- My business is a Partnership
- My business is a Non-Profit
- My business is a Joint-Venture
- My business is a Corporation incorporated under the laws of the State of _____
- My business is full-time
- My business is part-time

The Bidder shall list any variations from or exceptions to the Terms, Conditions or Specifications of the Solicitation:

Completed by: _____ Title: _____

Signature: _____ Date: _____

BID/QUOTE FORM

**CITY OF SENECA LIGHT & WATER DEPARTMENT
Project 2016-015 IFB
Trailer Mounted Sewer Jetter Machine**

Bidders may offer two Options. Prices quoted must include all applicable cost and delivery to site destination: 308 E. North Third Street, Seneca, South Carolina 29678; and comply with the specifications.

Item / Make Model and Year: _____

Total Sum Price: \$ _____

Extended Warranty: \$ _____

Total Sum Price includes all attachments and warranty
(Price must include all attachments applicable, specified, and implied; and warranty)

ATTACH ADDITIONAL APPLICABLE INFORMATION

COMPANY NAME

SIGNATURE BY AND FOR THE BIDDER

COMPANY ADDRESS

PRINTED NAME OF ABOVE BIDDER

DATE OF BID

CONTACT PHONE NUMBER

CONTACT EMAIL

The City of Seneca Light & Water Department (SL&W) reserves the right to reject any or all bids and to waive any irregularities as deemed fit in the best interest of the City.