

# BID SOLICITATION



**City of Chattanooga**  
**101 East 11th Street, Suite G13**  
**Chattanooga, TN 37402**

## BID OPENING DATE AND TIME:

12-SEP-17 at 2:00 PM

**BID NUMBER: 304851**

## SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

## BUYER:

**PHONE #: (423) 643-7230**

**DELIVERY REQUIRED:**

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City of Chattanooga  
 101 East 11th Street, Suite G13  
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
Requisition No.: 158840 Ordering Dept.: Waste Resources Buyer: Geoffrey Hipp 423-643-7233 ***** DESCRIPTION: Scum Skimmers per specifications ***** ATTACHMENTS: - Specifications - Iran Divestment Act - Affirmative Action Plan - Standard Terms and Conditions: ( <a href="http://www.chattanooga.gov/purchasing/standard-terms-and-conditions">http://www.chattanooga.gov/purchasing/standard-terms-and-conditions</a> ) ***** *** BIDS MUST BE RECEIVED NO LATER THAN *** ***** 2:00 PM ON SEPTEMBER 12, 2017 ***** ***** PLEASE SUBMIT BIDS IN DUPLICATE INDICATING BID NUMBER (304851) ON OUTSIDE PACKAGING ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION, FREIGHT ALLOWED. ***** NOTE: All bids received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Bidder acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.  The City of Chattanooga reserves the right to reject any and/or all bids, waive any informalities in the bids received, and to accept any bid which in its opinion may be for the best interest of the city.  The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color, or national origin. ***** PLEASE PROVIDE US WITH THE FOLLOWING INFORMATION: Company Name _____ Address _____ Phone/Toll-Free No. _____ Fax No. _____ E-Mail Address _____ Contact Person's Name _____ Estimated Delivery _____ Minority-Owned Business ___ Small Business ___ Veteran ___ Minority Woman Owned Business ___ Disabled Veteran ___ Women-Owned Business ___					

## NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.  
 Bids will be received at the above mentioned address.

COMPANY: \_\_\_\_\_

TERMS OF PAYMENT: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

NAME AND TITLE: \_\_\_\_\_

Item	Class-Item	Quantity	Unit	Unit Price	Total
1	Scum Skimmer for Chlorine Contact Tank per specifications	2	Each	_____	_____

NAME AND TITLE: \_\_\_\_\_

**SPECIFICATIONS FOR  
TWO (2) SCUM SKIMMERS FOR MOCCASIN BEND  
DIVISION OF WASTE RESOURCES  
CHATTANOOGA TENNESSEE  
July, 2017**

**GENERAL INFORMATION**

This specification is for the purchase of 2 scum skimmers for Chlorine contact tanks 1 and 2. The skimmers will be used at open tanks of wastewater in the Moccasin Bend Wastewater Treatment Plant. The City or its contractor will install the equipment. Price is to include startup.

Components made in Iran are not allowed.

The plant is located at 455 Moccasin Bend Road, Chattanooga, Tn. 37405.

**PART 1 - DETAILED SPECIFICATIONS**

The two units shall be 8" diameter x 11'-8" long each with a manual handwheel operator designed to skim material off of the top of settled water channels.

Each unit shall be equivalent to an Amwell Model "PSG" scum skimmer mechanism

**Pipe** - One (1) 8" diameter Sch. 20 (0.25" wall) steel pipe with 60° wide slot *as measured on the chord of the arc*. Slot shall be cut symmetrically about the vertical axis of the pipe and the edged shall be parallel to the longitudinal axis of the pipe.

At regular intervals of not more than 2'-6" a 2" wide band of the full pipe periphery shall be left in the pipe to act as a stiffener.

**Wall Bearings (Brackets)** - One (1) full circle rolled steel collar welded to an adjustable steel plate shall be provided at each end of trough for support.

Wall bearing shall be provided with a rolled UHMW-PE bearing bar attached to the internal periphery to provide ample bearing surface for the pipe without crushing the seal and to improve ease of rotation.

The wall bearing design shall allow a slight vertical or horizontal misalignment without interfering with the smooth operation of the pipe.

**Neoprene Fillers** - One (1) 1/4" thick neoprene fillers shall be supplied for *use as required between bearing and wall to make a watertight connection at both ends without grouting either end.*

**Seal** - 1" wide "D" shaped black Buna-N ring seal. The seal shall not be affected by grease, mild acids or alkalis and must be readily removable without removing the pipe from the wall bearing support.

The seal shall be constructed so that it remains effective even with a slight misalignment of pipe and wall bearing and shall not impede the smooth action of the revolving pipe.

**Pipe Clamp Collar/Ret** - Two (2) fabricated steel clamping type collars with 304 stainless steel hardware shall be provided. Collars lock pipe into position between wall bearings and retain seal within the wall bearing assemblies.

**Mechanical Gear Operating Mechanism** - One (1) gear operated mechanism capable of rotating the scum pipe 180 degrees in either direction. Mechanism shall consist of the following components:

One (1) 18" diameter cast iron handwheel keyed to top of shaft extension.

One (1) 1 1/2" Schedule 40 steel pipe shaft extension connecting handwheel to worm drive shaft.

One (1) 1 1/2" dia. steel drive shaft keyseated as required through worm and bolted to shaft extension pipe.

One (1) fabricated steel shaft guide bracket.

One (1) 4" P.D. x 4" long cut steel 3 pitch, R.H. single thread, 14 1/2° pressure angle, worm bored, and keyseated for 1 1/2" diameter shaft.

One (1) 18" P.D. 48 tooth, 3 pitch, R.H. single thread, 14 1/2° pressure angle, cast iron, cut tooth worm gear bored, drilled and tapped for mounting on skimmer pipe.

Two (2) rigid, babbitt lined grease lubricated pillow block bearings for supporting 1 1/2" diameter worm shaft.

**End Wall Bracket** - A full circle rolled steel collar welded to an adjustable steel plate shall be provided at the opposite end of trough for support.

Wall bearing shall be provided with a rolled UHMW-PE bearing bar attached to the internal periphery to provide ample bearing surface for the pipe without crushing the seal and to improve ease of rotation.

**Anchor Bolts** - One (1) lot of 304 stainless steel Simpson Strong-Tie Wedge-  
All anchors shall be provided for each skimmer.

**Painting** - All surfaces (except galvanized, stainless steel, gear faces or shafts) shall be sandblasted to SSPC-SP10 specifications followed by one (1) shop coat of Tnemec Series N69-1211 Hi-Build Epoxoline II red primer with a dry film thickness of 3.0 to 5.0 mils.

*Face of gear and shaft to be coated with rust inhibitive.*

Pillow block bearings to have standard finish coats of manufacturer.

**Fasteners** - All fasteners to conform to A.I.S.I. 304 stainless steel.

## **SHIPPING AND DELIVERY**

Vendor shall state delivery time in his bid and shall include all shipping costs. The rings shall be delivered to Moccasin Bend Wastewater Treatment Plant, 455 Moccasin Bend Road, Chattanooga Tennessee 37405.

## **WARRANTY**

The manufacturer of the equipment shall warranty for one (1) year from date of purchase that the equipment will be free from defects in design, material and workmanship.

Chapter No. 817 (HB0261/SB0377). "Iran Divestment Act" enacted.

Vendor Disclosure and Acknowledgement

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to § 12-12-106.

(SIGNED)

\_\_\_\_\_

(PRINTED NAME)

\_\_\_\_\_

(BUSINESS NAME)

\_\_\_\_\_

(DATE)

\_\_\_\_\_

For further Information, please see website:

[https://www.tn.gov/assets/entitles/generalservices/cpo/attachments/List\\_of\\_persons\\_pursuant\\_to\\_Tenn.\\_Code\\_Ann.\\_12-12-106,\\_Iran\\_Divestment\\_Act-July.pdf](https://www.tn.gov/assets/entitles/generalservices/cpo/attachments/List_of_persons_pursuant_to_Tenn._Code_Ann._12-12-106,_Iran_Divestment_Act-July.pdf)

## **Affirmative Action Plan**

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. During the term of all construction contracts or subcontracts in excess of \$10,000 to be performed for the City of Chattanooga, the following non-discriminatory hiring practices shall be employed to provide employment opportunities for minorities and women:
  - a. All help wanted ads placed in newspapers or other publications shall contain the phrase "Equal Employment Opportunity Employer".
  - b. Seek and maintain contracts with minority groups and human relations organizations as available.
  - c. Encourage present employees to refer qualified minority group and female applicants for employment opportunities.
  - d. Use only recruitment sources which state in writing that they practice equal opportunity. Advise all recruitment sources that qualified minority group members and women will be sought for consideration for all positions when vacancies occur.

5. Minority statistics are subject to audit by City of Chattanooga staff or other governmental agency.
6. The Contractor agrees to notify the City of Chattanooga of any claim or investigation by State or Federal agencies as to discrimination.

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(Signature of Contractor)

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(Title and Name of Company)

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(Date)