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Solicitation Addendum

Addendum No.:	2
Solicitation No.:	19-R071409CD
Project No.:	
Solicitation Title:	Rental of Mobile Dewatering Plant
Addendum Date:	November 7, 2019
Procurement Contact:	Chris Daley, CPPO, CPPB, Procurement Manager

IFB NO. 19-R071409CD is amended as set forth herein. Responses to questions posed by prospective bidders are provided below. This addendum is hereby incorporated in and made a part of IFB NO. 19-R071409CD.

Change to:
ADVERTISEMENT, DATE, TIME AND PLACE DUE:

The Due Date and Time for submission of Bids in response to this IFBC is **November 12, 2019 at 3:00 P.M. ET.** Bids must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Ave. W., Suite 803, Bradenton, FL 34205 prior to the Due Date and Time.

Change to:
INFORMATION FOR BIDDERS, FIRST PARAGRAPH OF SECTION A.01 BID DUE DATE:

The Due Date and Time for submission of Bids in response to this Invitation for Bid (IFBC) is **November 12, 2019 at 3:00 P.M. ET.** Bids must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Ave. W., Suite 803, Bradenton, FL 34205 and time stamped by a Procurement representative prior to the Due Date and Time.

REPLACE:
ATTACHMENT H, BID PRICING FORM, ATTACHMENT H-1 THROUGH H-3

Replace Bid Pricing form pages Attachment H-1 through H-3 with the attached Bid Pricing form pages Attachment H-1 through H-3 revised per this Addendum 2.

REPLACE:
EXHIBIT 1, SCOPE OF WORK

Replace Exhibit 1 Scope of Work with the attached Exhibit 1 Scope of Work revised per this Addendum 2.

CLARIFICATION OF CHANGES:

Bid Form-

1. Changes made to add pricing for secondary unit (if needed) to keep up with daily flow rate.
2. Removed option for unmanned centrifuge.
3. Added option for Mobile screw press dewatering plant.

Scope of Work-

1. Added homogenization tank for thickening to components list for dewatering plant.
2. Added option for screw press dewatering plant.
3. Clarified performance requirements to meet demand of 350,000 gallon per day flow rate, for output of dewatered sludge volume.

QUESTIONS AND RESPONSES:

Q1- Who has the contract now?

R1- The County is currently renting a belt press dewatering plant with pumps, and without an operator from Aspen Rentals. The County is also currently renting the mixing tank from Adler Tank Rentals, Inc.

Q2- What is the current price/line item of the current contract?

R2- \$14,700 per month for belt press and pumps. \$3750 per month for mixing tank.

Q3- How often has the mobile dewatering plant been contracted in the last 3 years?

R3- Monthly for the last eight months.

Q4- Can we bid utilizing a screw press?

R4- Yes

NOTE: Items that are ~~struck through~~ are deleted. Items that are underlined have been added or changed. All other terms and conditions remain as stated in the IFB.

End of Addendum

INSTRUCTIONS:

Receipt of this addendum must be acknowledged as instructed in the solicitation document. Failure to acknowledge receipt of this Addendum may result in the response being deemed non-responsive.

AUTHORIZED FOR RELEASE

GROUP A- BELT FILTER PRESS DEWATERING PLANT w/ OPERATOR

Description	Estimated Quantity	Unit of Measure	Unit Price	Extended Price
Mobilization and Setup of Mobile Dewatering Belt Filter Press Rental Equipment to the Water Treatment Plant	1	Lump Sum		
Monthly Rental of Complete Mobile Dewatering Belt Filter Press System (including portable electric and components for full operation) with Operator (10hrs/day M-F)	6	Months		
Monthly Rental of Secondary Mobile Dewatering Belt Filter Press System (including portable electric and components for full operation) (10hrs/day M-F)	6	Months		
Hourly Rate for Operation of Complete Mobile Dewatering Belt Press System (including portable electric and components for full operation) with Operator in excess of 10 hours M-F (as directed by the County)	10	Hour		
Demobilization and Removal of Mobile Dewatering Belt Press Rental Equipment to the Water Treatment Plant	1	Lump Sum		
TOTAL BID FOR AWARD PURPOSES OF GROUP A				

Bidder Name: _____

Authorized Signature: _____

GROUP B- CENTRIFUGE DEWATERING PLANT w/ OPERATOR

Description	Estimated Quantity	Unit of Measure	Unit Price	Extended Price
Mobilization and Setup of Mobile Dewatering Centrifuge Rental Equipment to the Water Treatment Plant	1	Lump Sum		
Monthly Rental of Complete Mobile Dewatering Centrifuge System (including portable electric and components for full operation) with Operator (10hrs/day M-F)	6	Months		
Monthly Rental of Secondary Mobile Dewatering Centrifuge System (including portable electric and components for full operation) (10hrs/day M-F)	6	Months		
Hourly Rate for Operation of Complete Mobile Dewatering Centrifuge System (including portable electric and components for full operation) with Operator in excess of 10 hours M-F (as directed by the County)	10	Hour		
Demobilization and Removal of Mobile Dewatering Centrifuge Rental Equipment to the Water Treatment Plant	1	Lump Sum		
TOTAL BID FOR AWARD PURPOSES OF GROUP B				

Bidder Name: _____

Authorized Signature: _____

GROUP C- SCREW PRESS DEWATERING PLANT w/ OPERATOR

Description	Estimated Quantity	Unit of Measure	Unit Price	Extended Price
Mobilization and Setup of Mobile Dewatering Screw Press Rental Equipment to the Water Treatment Plant	1	Lump Sum		
Monthly Rental of Complete Mobile Dewatering Screw Press (including portable electric and components for full operation) with Operator (10hrs/day M-F)	6	Months		
Monthly Rental of Secondary Mobile Dewatering Screw Press System (including portable electric and components for full operation) (10hrs/day M-F)	6	Months		
Hourly Rate for Operation of Complete Mobile Dewatering Screw Press System (including portable electric and components for full operation) with Operator in excess of 10 hours M-F (as directed by the County)	10	Hours		
Demobilization and Removal of Mobile Dewatering Screw Press Rental Equipment to the Water Treatment Plant	1	Lump Sum		
TOTAL BID FOR AWARD PURPOSES OF GROUP C				

Bidder Name: _____

Authorized Signature: _____

EXHIBIT 1
SCOPE OF WORK

C.01 BACKGROUND INFORMATION

The County is requesting Bids from qualified Bidders for the provision of rental services for a mobile dewatering plant complete with operational services on an "As Required Basis" at the Water Treatment Plant owned and operated by Manatee County, located at 17915 Waterline road, Bradenton Fl. 34212.

C.02 SCOPE

The work includes the furnishing of all materials for a complete dewatering unit with all components and a drive unit, sludge feed pump(s), polymer tote system with feed pumps and a polymer injection system, polymer, mixing tank, mixers, homogenization tank for thickening, dewatered sludge cake conveyor and drive unit, necessary controls, temporary piping, labor and other incidentals as necessary to provide a complete mobile dewatering system with operator(s).

The mobile dewatering system will be operated at a minimum five (5) days per week, ten (10) hours per day, for a minimum period of one (1) month and up to a maximum period of twelve (12) months as determined by the County. The daily operation hours may be flexible depending on the rate at which the vendor may choose for dewatering operation. The mobile dewatering system may be required to operate beyond the 10-hour period and will be determined by the County on an as needed basis.

In order to achieve the desired daily volume of dewatered sludge, it may be necessary for the successful bidder to provide a secondary mobile dewatering system complete with all of the necessary components and temporary piping.

Successful Bidder (hereinafter in this Scope referred to as Contractor) shall provide all labor, materials, equipment and transportation to provide rental dewatering Equipment and operators on an as-required basis, to include the typical accessories required for such equipment.

C.03 TECHNICAL REQUIREMENTS

- A. The dewatering unit shall be appropriately sized to meet the requirements as specified herein and will comprise of either a:
1. Belt filter press (Group A), or
 2. Centrifuge (Group B), OR
 3. Screw Press (Group C)

All prospective Bidders shall submit literature for the dewatering unit that they will be supplying to the County that demonstrates the ability to meet the requirements as specified herein.

- B. The mobile dewatering system will be located adjacent to the alum drying beds.
- C. The system must be on site and operating within fourteen (14) days of a notice from the County, either verbal or in writing.
- D. The vendor shall supply a non-clog submersible pump to be placed inside the alum pond to pump alum sludge to the mobile dewatering unit. The pump shall have a flow capacity of 450 gpm. The vendor shall also supply temporary piping as necessary from the submersible pump to the mobile dewatering equipment.
- E. The County will provide all necessary wash water and pay for all water as required during the entire duration of the mobile dewatering operation. The filtrate from the mobile dewatering unit, anticipated to be around 450 gpm. The vendor shall supply all appropriately sized temporary piping necessary to connect the water and drain system.
- F. The vendor must provide power in the form of a generator for the operation of the rental equipment.

SYSTEM DESCRIPTION

- A. The vendor shall supply a polymer tote system complete with polymer, storage totes; polymer feed pumps, polymer injection device, controls and necessary piping to feed appropriate dosage of polymer to achieve the desired dewatered cake dryness as specified below. The reclaimed water will be used for the polymer make-up system.
- B. The vendor shall supply appropriate labor at all times to operate the equipment and shall take complete responsibility of the mobile dewatering system as necessary. In the event of a failure of any component of the system, the vendor shall immediately notify the plant personnel. In the event that the system failure cannot be repaired and the system put back in service within 4 hours, the vendor shall make other arrangements to furnish necessary components to put the system back into operation within 48 hours of the failure. If more than 48 hours is anticipated to resolve the issue to place the system into operation, the County should be notified immediately upon such determination by phone call and in writing. The vendor shall stock appropriate spare part as necessary to avoid any abrupt failure of equipment and or components.
- C. The vendor shall visit the Water Treatment Plant at his own expense to look at the site and collect samples to determine the dosage of polymer required to achieve the desired dewatered cake dryness as specified below.
- D. Dewatering requirements: Description of sludge to be dewatered using the mobile dewatering system:
Type of sludge: Alum sludge from surface water treatment basins.
Feed solids: 0.5 to 1 percent.
pH range: 6 - 8 with normal pH range of 6.5 to 7.5.

Sludge temperature: 50 to 80 degrees F with normal range of 65-75 degrees Fahrenheit.

Operation: Designed to operate continuously.

- E. Performance requirements: As a minimum, the dewatering unit shall be capable of operating at the following conditions with piping, pumping, and auxiliary systems rated for a higher hydraulic capacity when operating in accordance with project conditions and under normal sludge feed conditions specified above:

Daily Flow Rate- 350,000 gallons per day

Dewatered Sludge Volume- Minimum 1000 cubic feet per day at 15%solids

Maximum hydraulic feed rate	450 gallons per minute @ 0.8 % inlet solids concentration
Maximum solids feed rate	1500 lbs/hour at inlet solids of 1.0%
Belt washwater	80 – 90 gpm
Belt washwater pressure	60 psi minimum
Active polymer dosage	To be determined by the vendor as described herein
Belt life	2,000 hours of operation minimum (for a belt filter press)
Minimum Percent Dry Solids	15.0
Solids capture	Minimum 95 percent
Dewatered Sludge Volume	Minimum 1000 cubic feet per day @ 15% solids

- F. The mobile dewatering plant vendor shall place the dewatered alum on the concrete slab, adjacent to the pond site, for drying. The County shall be responsible for removal and disposal of the dewatered alum.

- G. The dewatering operation shall be performed Monday to Friday at a rate decided by the vendor.

C.04 GENERAL REQUIREMENTS

Contractor shall:

- A. Provide a timetable of delivery and coordinate with county staff any details to position the equipment where we need them at the site where needed.
- B. Ensure that all rental equipment and the corresponding accessories have been tested and inspected in accordance with manufacturer requirements prior to delivery.
- C. Conform to all delivery site rules and regulations. These include but are not limited to:
 - (1) Keeping public areas free of waste materials
 - (2) Removing all rubbish from site(s) daily before leaving the premises
 - (3) Strictly adhering to all local and/or State safety codes.

C.05 SPECIAL REQUIREMENTS

A. Operators

Equipment operators shall

- i. Be certified and/or licensed by the State of Florida to operate the equipment they are dispatched by Contractor to the County to operate.
- ii. Have a minimum of three years' experience operating the equipment they are dispatched by Contractor to the County to operate.
- iii. Shall have a valid Florida Driver's license and be over the age of 18.
- iv. Shall be able to perform general maintenance on the applicable equipment,
- v. Shall operate the dewatering equipment in accordance with the manufacturer's and Occupational Safety and Health Administration (OSHA) requirements.

B. MAINTENANCE

Contractor shall provide any and all maintenance on the dewatering equipment. All scheduled preventive maintenance and service repair shall be performed by the Contractor, as required by the manufacturer. Contractor shall provide the County with the maintenance schedule for the rented equipment. The County will notify the Contractor when equipment requires maintenance according to the schedule provided.

END OF EXHIBIT 1