



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
COR61667

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE 304-558-2544

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

DENMAR CORRECTIONAL CENTER

HC-64, BOX 125
DENMAR ROAD
HILLSBORO, WV
24946

DATE PRINTED
10/22/2013

BID OPENING DATE: **10/31/2013** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 3		
				SEE ATTACHED PAGES.		
				END OF ADDENDUM NO. 3		
0001	1	JB		968-42		
				REMOVAL/INSTALL OF WATER STORAGE TANKS		
				***** THIS IS THE END OF RFQ COR61667 ***** TOTAL:		

SIGNATURE		TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

Addendum Number: 3

The purpose of this addendum is to modify the solicitation identified as COR61667 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

1. Specifications attached for the Bolted Stainless Steel Wastewater and Water Storage Tank. See Exhibit #1.
2. Revised bid form attached. See Exhibit #2.
3. The bid opening remains 10/31/2013 at 1:30 pm.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

Clarifications:

1. See specifications for Bolted Stainless Steel Wastewater and Water Storage Tank - Exhibit #1
2. Please delete Alternate #1 in its entirety. Revised Bid Form attached, see Exhibit #2.
3. To remove Section 1.24 revised in Addendum No. 1 issued on 10/15/2013, in its entirety and replace with the following language:

1.24 Bidding

- A. A revised bid form is attached. It is recommended that the contractor use the attached bid form. There are three (3) possible options for this project. Vendors should provide a contract base price for each option they wish to provide a quote for on this project.

The basis of award will be issued to the lowest bidder meeting specifications on the Contract Base Bid Option A, Contract Base Bid Option B, or Contract Base Bid Option C. Only one option will be awarded.

4. Revised Bid Form attached - Exhibit #2.
5. The bid opening remains October 31, 2013 at 1:30 pm.

BOLTED STAINLESS STEEL WASTEWATER and WATER STORAGE TANK

1.0 GENERAL:

1.1 SCOPE OF WORK:

Supply and erect a bolted stainless steel storage tank, including foundation, tank cover, tank structure and tank appurtenances as shown on the Engineer's drawings, and described herein. All labor, materials, equipment, tools, etc. as required for the construction of the storage tank shall be included.

1.2 REFERENCE SPECIFICATIONS:

The following reference specifications shall govern the work with regard to design materials and workmanship, where applicable.

- ASTM A36 - Standard specification for structural steel.
- ASTM A307 - Specification for carbon steel bolts.
- ASTM A325 - Specification for high strength bolts for structural steel joints.
- ASTM A240 - Specification for chromium-nickel stainless steel plate and sheet.
- ASTM F593-98 - Standard specification for stainless steel bolts.
- ASTM F594-98 - Standard specification for stainless steel nuts.
- AISC - 89 - Specification for structural steel buildings.

And if required:

- ANSI/AWWA D103 – 87 Factory coated bolted steel tanks for water storage.
- ANSI/AWWA D103 – 97 Section 3, General design.
- ANSI/AWWA C652 – 86 Disinfection of water storage facilities.
- ANSI/AWWA D103 – 97 Section 5, Appurtenances as adapted for stainless steel.
- ANSI/AWWA D103 – 97 Section 13, Structurally supported aluminum dome.
- ANSI/NSF STANDARD 61 - Drinking water system components.

1.3 SUBMITTAL DRAWINGS AND CALCULATIONS:

Construction shall be governed by the Owner's plans and specifications showing general dimensions and construction details, after approval by the Engineer of submittal drawings and design calculations prepared by the manufacturer.

There shall be no deviation from these drawings and specifications, except upon written order or approval from the Engineer. The bidder is required to furnish, for review and approval by the Engineer, construction drawings for all work not shown in complete detail on the bidding drawings. A complete set of structural calculations shall be provided for the tank structure and foundation. All such submissions shall be stamped by a Registered Professional Engineer.

When approved, two sets of such prints and submittal information will be returned to the bidder marked "**APPROVED FOR CONSTRUCTION**" and these drawings will then govern for the work detailed thereon.

2.0 DESIGN:

2.1 TANK SIZE AND CAPACITY: As shown on Contract Drawings

2.2 DESIGN STANDARDS:

The design of the bolt-together tank shall conform to AISC allowables.

3.0 MATERIAL:

3.1 PLATES AND SHEETS:

Plates and sheets used in the construction of the tank shall be type 304 stainless steel. Type 316 stainless steel is also available upon customer request.

3.2 ROLLED STRUCTURAL SHAPES:

Rolled structural shapes shall be galvanized steel or stainless steel. Material shall conform to minimum standards of ASTM A36.

3.3 HORIZONTAL WIND STIFFENERS:

Wind stiffener at top of tank shall provide a flat, horizontal, continuous surface at tank rim level, compatible with geodesic dome or roof mounting and flashing. Design requirements for intermediate horizontal wind stiffeners shall be of the "web truss" design. Wind stiffeners shall be galvanized steel or stainless steel. Material shall conform to minimum standards of ASTM A36.

3.4 BOLT FASTENERS:

Bolts used in tank lap joints shall be stainless steel 1/2 - 13 UNC-2A rolled thread.

Lap joint bolts shall be installed such that the head portion is located inside the tank and the washer and nut are on the exterior. Lap joint bolts shall be properly selected such that threaded portions will not be exposed in the "shear plane" between tank sheets. Bolt lengths shall be selected to achieve a neat and uniform appearance. Excessive threads extending beyond the nut after tightening is not acceptable.

Lap joint bolts shall include a minimum of four splines on the underside of the bolt head at the shank in order to resist rotation during tightening.

3.5 SEALANT:

The lap joint sealant shall be a one component moisture cured polyurethane compound. The sealant shall be used to seal lap joints and bolt connections and to isolate dissimilar metals.

The sealant shall cure to a rubber-like consistency and have excellent adhesion, have low shrinkage, and be suitable for interior and exterior exposure.

Neoprene gaskets and tape type sealer shall not be used.

The sealant shall be NSF certified.

4.0 APPURTENANCES:

The appurtenances shall be installed as shown on the Engineers drawings and as detailed in these specifications.

4.1 GRAVITY VENT:

A gravity vent shall be installed at the center of the roof. The vent shall be sized to ensure positive or negative pressure will not be developed which would exceed 1/2" WC, considering the maximum possible flow rate of water fill or withdrawal.

The overflow pipe shall not be considered to be a vent.

The vent material shall be stainless steel or aluminum.

4.2 ROOF HATCH:

A roof hatch shall be installed in the tank roof. The hatch opening shall have a minimum dimension of 24" and the cover hinged with provisions made for locking.

The hatch material shall be galvanized steel or stainless steel.

The hatch shall be located near the outside tank ladder.

4.3 OUTSIDE TANK LADDER:

An outside ladder with safety cage shall begin 6 feet above the level of tank bottom and at the location designated. Outside ladder and cage shall meet OSHA requirements.

The ladder shall be aluminum and the cage material shall be galvanized steel.

4.4 ACCESS MANWAY:

One 24" diameter manway shall be provided at a location to be determined by the Engineer. The manway shall include a reinforcing frame and cover plate with a hinged support for cover removal. The manway material shall be stainless steel.

4.5 INLET AND OUTLET CONNECTIONS:

Inlet and outlet connections shall conform to the sizes and locations specified on the Engineer's drawings.

Where connections are shown to pass through tank panels, they shall be field located and utilize an interior and exterior flange assembly. Joint sealant shall be applied to any cut panel edges or bolt connections.

Inlet and outlet connections shall be stainless steel.

4.6 OVERFLOW PIPE:

The overflow pipe shall conform to the size and location specified on the Engineer's drawings. Overflow pipe shall be Schedule 80 PVC or be made of material as specified by the engineer.

4.7 ROOF WALKWAY AND HANDRAILS:

For tanks with a bolted stainless steel roof, a non-skid roof walkway with handrails shall be provided to allow ready and safe access to the gravity vent. The walkway and handrails shall be galvanized steel and meet OSHA requirements. For tanks with a dome roof, non skid walkway and handrails are incorporated by the dome supplier.

4.8 IDENTIFICATION NAMEPLATE:

The Manufacturer's nameplate shall list the tank diameter, height, capacity, installation date, storage use and model/serial number. The nameplate shall be bolted to the tank shell at an elevation such that it can be viewed from grade.

5.0 BOLTED ROOF:

5.1 CONSTRUCTION:

The roof shall be constructed of radial sections of bolted stainless steel roof panels as produced by the tank manufacturer with a knuckle formed down that bolts to the upper shell ring.

The roof panels shall be erected similar to the sidewall panels using the same sealant and bolting techniques. The roof shall be self-supporting and shall clear the span of the tank. The roof shall transfer the live and dead loads to the sidewall.

6.0 ERECTION:

6.1 FOUNDATION:

The tank foundation shall be designed by the Manufacturer based on the soil bearing capacity as tested and determined by the Owner. Copies of the soil report shall be provided by the Engineer to the Manufacturer prior to bid.

6.2 CONCRETE FLOOR:

The standard floor design is of reinforced concrete with an embedded stainless steel starter ring.

6.3 STARTER RING:

The starter ring shall be leveled and rounded prior to encasement in concrete. A leveling plate assembly shall be used to secure the starter ring.

Prior to placement of concrete, butyl rubber and bentonite water stop seals shall be placed on the inside surface of the starter ring below the concrete floor line. These materials shall be installed as shown on the construction drawings.

6.4 LAPPED JOINTS:

All vertical, horizontal, shell to roof, and shell to bottom plates or sheets shall be field bolted. Sealant shall be used on all joints to ensure liquid tightness. Fillet sealant at all lapped joints to provide a neat and pleasing appearance.

6.5 SIDEWALL:

Placing of sealant on each connection may be inspected by the Engineer prior to placement of adjacent member. However, the Engineer's inspection shall not relieve the erector of his responsibility for liquid tightness.

7.0 LEAK TEST:

Leak test shall not take place until joint sealant is fully cured (10 to 12 days at 73 degrees F).

7.1 HYDROTEST:

The tank shall be hydro tested to ensure liquid tightness by filling the tank to its overflow elevation. Water and disposal of as required for this test shall be the responsibility of the Owner.

8.0 WARRANTY:

8.1 STRUCTURES:

If within a period of One (1) year from date of completion (but not more than 14 months from date of delivery of the product to the site upon which it is to be erected) the water storage tank, or any part thereof, proves to be defective in material or workmanship upon examination by Manufacturer, the Manufacturer will supply replacement part F.O.B. the Manufacturer's factory, or the Manufacturer, at its option will repair or allow credit for such part.

Manufacturer shall further warrant that, if within a period of five (5) years from the date of completion the stainless steel sheets placed in the storage tank fail due to corrosion as determined upon examination by the manufacturer, the manufacturer will supply replacement sheets F.O.B. the manufacturer's factory, or the manufacturer, at its option will repair or allow credit for such sheets.

RFQ # COR61667

ALL LABOR, MATERIALS, EQUIPMENT, AND SUPPLIES NECESSARY TO REMOVE TWO (2) EXISTING WATER STORAGE TANKS AND INSTALL ONE (1) WATER STORAGE TANK

DENMAR CORRECTIONAL CENTER

POCAHONTAS COUNTY, WV

BID FORM – Revised by Addendum No. 3 dated 10/23/2013

Bidder's Company Name: _____

Bidder's Address: _____

Remittance Address: _____

(If different)

Phone Number: _____

Fax Number: _____

Email Address: _____

WV Contractor's License Number: _____

We, the undersigned, hereby propose to furnish all materials, equipment, and labor to complete all work in a workmanlike manner, as described in the Bidding Documents.

Contract Base Bid Option A – 300,000 Gallon Glass Coated, Bolted-Steel Water Storage Tank With Concrete Bottom and Foundation, Missing System, Valve Vault, Fencing, Site Preparation, Access Road, 6" DIP Water Main, Connections to Existing System, Demolition and Removal of the Two (2) Existing Water Tanks, Replacement of High Service Pumps, Control Panel, Valves, Piping and Related Appurtenances for a Functional System Complete-in-Place

CONTRACT BASE BID OPTION A: _____

(\$ _____) (Contract base bid to be written in words and numbers.)

EXHIBIT #2

**Contract Base Bid Option B – 300,000 Gallon Welded Steel Water Storage Tank With Concrete Foundation, Missing System, Valve Vault, Fencing, Site Preparation, Access Road, 6” DIP Water Main, Connections to Existing System, Demolition and Removal of the Two (2) Existing Water Tanks, Replacement of High Service Pumps, Control Panel, Valves, Piping and Related Appurtenances for a Functional System
Complete-in-Place**

CONTRACT BASE BID OPTION B: _____

(\$ _____) (Contract base bid to be written in words and numbers.)

**Contract Base Bid Option C – 300,000 Gallon Stainless Steel Bolted Tank Water Storage Tank With Concrete Bottom and Foundation, Missing System, Valve Vault, Fencing, Site Preparation, Access Road, 6” DIP Water Main, Connections to Existing System, Demolition and Removal of the Two (2) Existing Water Tanks, Replacement of High Service Pumps, Control Panel, Valves, Piping and Related Appurtenances for a Functional System
Complete-in-Place**

CONTRACT BASE BID OPTION C: _____

(\$ _____) (Contract base bid to be written in words and numbers.)

The basis of award will be issued to the lowest bidder meeting specifications on the Contract Base Bid Option A, Contract Base Bid Option B, or Contract Base Bid Option C. Only one option will be awarded.

Bidder understands that to the extent allowed by the West Virginia Code, the OWNER reserves the right to waive any informality or irregularity in any Bid, or Bids, and to reject any or all Bids in whole or in part; to reject a bid not accompanied by the required bid security or by other data required by the Bidding Documents; to reject any conditions of the bid by the Bidder that is in any way inconsistent with the requirements, terms, and conditions of the Bidding Documents; or to reject a bid that is in any way incomplete or irregular.

EXHIBIT #2

RESPECTFULLY SUBMITTED:

DATE: _____

WV VENDOR NO.: _____

CONTRACTOR LICENSE NO.: _____

BY: _____

(SIGNATURE, IN INK)

TITLE: _____

FIRM NAME: _____ (CORPORATE SEAL
IF APPLICABLE)

ADDRESS: _____

END OF BID FORM

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: COR61667

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company

Authorized Signature

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.