AMENDMENT TO INVITATION FOR BID
Triple Offset Valves, Class 600 Steam

BID NO. 12B0017RD
Procurement Officer: Rick A. Danielson
Issue Date: March 23, 2012

AMENDMENT NO. 1
Effective Date: March 29, 2012

ISSUED TO:
All Prospective Bidders

ISSUED BY:
University of Alaska Fairbanks
Procurement & Contract

PO Box 757940
Fairbanks AK 99775-7940

Dear Vendor:

The following clarifications, revisions, and changes have been made to Invitation For Bid No. 12B0017RD for Triple Offset Valve, Class 600 Steam:

This amendment shall not provide for a change in the solicitation closing date, it remains: Friday, April 13, 2012, 2:00PM local time.

This amendment requires acknowledgement, please see the final page

This amendment provides for two changes to the original IFB as follows:

Page #2; Bid Form Rate Response, Line item #5 revised to read:

    Line 5: 3” or 4”(either/or) Triple Offset Valve, Class 600 Steam, Flanged (see attachment)

Page #5; Salient Characteristics And Specifications, Section 2, Para 2.2.1 Revised:

    2.2.1 All valve seats shall have non-rubbing, frictionless, non-jamming, zero leakage, bubble tight shut-off (TOS). Bi-directional valves shall have all the same requirements in both directions. (see attachment)

Please note, the attachment pages replace the original pages, and are noted with "attachment 1". Changes are designated by either strike through, or bold italicized font. Revised pages: 2 & 5.
All other terms and conditions remain the same.

Sincerely,

UNIVERSITY OF ALASKA FAIRBANKS

Rick A. Danielson
Contracting Officer

ACKNOWLEDGMENT; Amendment #1, RFB12B0017RD, Triple Offset Valve, Class 600 Steam
This Amendment must be signed and returned with your Bid or otherwise acknowledged prior to the closing date and time listed above. If you have already submitted a bid and need to make corrections, submit a corrected bid prior to the closing. The closing date is Friday, April 13, 2012, 2:00 PM local time.

Bidder ________________________________ Name & Title ________________________________

Signature _______________________________ Date ________________________________
It is the intent of the UAF Facility Services, Division of Design & Construction in conjunction with the Utility Operations to purchase various size Triple Offset Class 600 Steam Valves as described and specified herein. Award shall be made in the aggregate.

<table>
<thead>
<tr>
<th>Line</th>
<th>Description</th>
<th>Qty.</th>
<th>Each</th>
<th>Extended Cost</th>
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<tbody>
<tr>
<td>1</td>
<td>8” Triple Offset Valve, Class 600 Steam, Flanged</td>
<td>2</td>
<td>$____</td>
<td>$____</td>
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<td></td>
<td>Make: __________________________, Model: ___________________________</td>
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<td></td>
<td>Valves as specified and described herein</td>
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<tr>
<td>2</td>
<td>8” Triple Offset Valve, Class 600 Steam, Flanged, Bi-Directional Bubble Tight Shut-off (TOS)</td>
<td>2</td>
<td>$____</td>
<td>$____</td>
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<td>Valves as specified and described herein</td>
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<tr>
<td>3</td>
<td>6” Triple Offset Valve, Class 600 Steam, Flanged</td>
<td>5</td>
<td>$____</td>
<td>$____</td>
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<td>Valves as specified and described herein</td>
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<td>4</td>
<td>6” Triple Offset Valve, Class 600 Steam, Flanged, Bi-Directional Bubble Tight Shut-off (TOS)</td>
<td>2</td>
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<td>Valves as specified and described herein</td>
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<tr>
<td>5</td>
<td>3” or 4” (either/for) Triple Offset Valve, Class 600 Steam, Flanged</td>
<td>2</td>
<td>$____</td>
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<td>Valves as specified and described herein</td>
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Delivery: The required delivery date is twelve (12) weeks ARO. Please indicate in the space provided the time required to make delivery ARO.

Delivery Time ARO: Delivery time required to final F.O.B. point ARO:
Date __________________________ or Weeks ARO __________________________

Warranty:
Warranty period: please state __________________________

* Bid price includes all crating, handling, shipping, taxes, duties and surcharges to the F.O.B. delivery point below:

F.O.B.: University Of Alaska Fairbanks
Utility Operations
802 Alumni Drive
Fairbanks, AK 99775

**TOTAL $________

<table>
<thead>
<tr>
<th>VENDOR NAME</th>
<th>SUBMITTER NAME &amp; # OF AMENDMENT ACKNOWLEDGED</th>
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EMAIL |
PHONE/FAX NUMBER |
TRIPLE OFFSET VALVES – CLASS 600 STEAM, FLANGED

1. GENERAL
   1.1 The valve shall be triple offset, ANSI Class 600, a 90-degree clockwise-to-close, nonrubbing, metal-to-metal-seated, zero-leakage. The valve shall be designed to require torque seating in order to achieve zero leakage.

   1.2 The valve shall be designed in accordance with ANSI B16.34, B31.1 and B31.3 standards. The body, disc and shaft must be designed within the allowable stress levels defined by ASME Sections III and VII for the material used. The pressure rating of the valve and the end connections shall be per ANSI B16.5.

2. VALVE BODY AND SEAL RING
   2.1 Flanged valve bodies shall be one-piece cast or fabricated carbon steel body.

   2.2 The valve seat ring shall be retained in the valve and shall be easily replaceable.

   2.2.1 All the valve seat(s) shall have non-rubbing, frictionless, non-jamming, zero-leakage, bubble tight shut-off (TOS) capabilities. Bi-directional valves shall have all the same requirements in both directions. Valves indicated in the valve schedule shall have bi-directional tight shut-off (TOS).

   2.2.2 The valve seat and seal ring shall be machined on the inside of the diameter.

3. VALVE DISC AND SEAL RING
   3.1 The valve disc shall be stainless steel or of the same material as specified for the valve body.

   3.2 The disc shall be designed and constructed of one solid piece.

   3.3 The seal ring shall be stainless steel and must be readily replaceable.

4. VALVE SHAFT
   4.1 The valve shaft shall be stainless steel. The shaft shall be a through shaft of one-piece construction.

   4.2 Two piece shafts are not acceptable.

5. TESTING
   5.1 The valve body shall be hydrostatically tested to 150% of the maximum design pressure. No leakage shall be detected through the valve body.

   5.2 Each valve shall be tested for seat leakage in accordance with API 598 for resilient seated valves. Valve leakage shall be zero.