Dear Vendor:

The following clarifications, revisions, and changes have been made to Request for Proposal No. 13P0016RD for MEDIUM VOLTAGE TRANSFORMERS:

This amendment provides for a change in the solicitation closing date to: Thursday, December 13, 2012, 5:00PM local time. This amendment requires acknowledgement, please submit the acknowledgement page with your proposal submission.

Actions: Replace RFP13P0016RD Original pages 22-29 with amendment #1 replacement pages 22-28 (attached)

Scope of work and specification pages have been revised or modified (P. 22 & 23) and the changes are noted by bold italicized font or strike through.

UAF has elected to withdraw the Schedule B portion (rate response form) from this solicitation (2014 delivery section) and will issue a new solicitation for additional medium voltage transformers in the fall of 2013. It is estimated that this solicitation will now result in an award and purchase of 25 transformers as specified in the solicitation. All other terms and conditions remain the same.

Sincerely,

UNIVERSITY OF ALASKA FAIRBANKS

Rick A. Danielson
Contracting Officer
ACKNOWLEDGMENT; Amendment #1, RFP13P0016RD, Medium Voltage Transformers
This Amendment must be signed and returned with your proposal or otherwise acknowledged prior to the closing date and time listed above. If you have already submitted a proposal and need to make corrections, submit a corrected proposal prior to the closing. The closing date is Thursday, December 13, 2012, 5:00 PM local time.

----------------------------------------  ----------------------------------------
Offeror                                        Name & Title

----------------------------------------  ----------------------------------------
Signature                                      Date
F. Full-Capacity Voltage Taps: Four 2.5 percent taps, two above and two below rated high voltage; with externally operable tap changer for de-energized use and with position indicator and padlock hasp.

G. Cooling System: Class OA, self-cooled

H. High-Voltage Terminations and Equipment: Dead front with 15 kV 600 amp deadbreak-type bushings, complying with IEEE 386.

I. Accessories:
   1. Drain Valve: 1 inch (25 mm), with sampling device.
   2. Dial-type thermometer.
   3. Liquid-level gage.
   4. Pressure-vacuum gage.
   5. Pressure Relief Device: Self-sealing with an indicator.
   6. Insulating caps for primary connection bushings.

J. On/Off High-Voltage Switch for non-loop feed transformers.
   1. 200 A, make-and-latch rating of 12-kA RMS, symmetrical load-break switch that is oil immersed in transformer tank with hook-stick operating handle in primary compartment.

K. Loop Feed High-Voltage Switch if required by project documents.
   1. **Type 1: 600 A**, make-and-latch rating of 12-kA RMS, symmetrical, arranged for feed-through with three-phase, four-position “sectionalizing” type for use on an extended radial or loop-feed system with feed-from-the-left, feed-from-the-right, isolated-from-either-side, or through-feed-to-both-sides, load-break switch that is oil immersed in transformer tank with hook-stick operating handle in primary compartment.
   2. **Type 2: 600A, make and latch rating of 10-kV RMS, symmetrical**, arranged for feed through with three 3-phase, 2 position, load break liquid immersed switches that are externally operable from the high voltage compartment through the use of a distribution hot stick. Switches shall be arranged to have the following functions:
      a. Transformer Open and loop Open
      b. Transformer connected to Line A only
c. Transformer connected to Line B only

d. Line A connected to Line B and both lines connected to Transformer

e. Line A connected to Line B and Transformer Open

f. Provide Kirk key interlocks

L. Primary Fuses in Transformer: 15-kV fuse assembly with fuses complying with IEEE C37.47. Rating and type of current-limiting fuses shall be based on 50-kA RMS at specified system voltage, and shall provide UL listing required under PAD-MOUNTED, LIQUID-FILLED TRANSFORMERS – GENERAL REQUIREMENTS above. Ship transformer's fuses not installed in equipment. Ship drywell and canister fuses separately (i.e. not installed)

1. For dual voltage transformers provide fusing for operation at either voltage.

M. Spare Fuses: Provide a spare set of all fuses deemed to be replaceable by manufacturer for all transformers.

1. For dual voltage transformers providing spare fusing required above for both voltages.

N. The tank containing fluid to have a removable top access hatch positioned such that no oil needs to be drained to open the hatch.

2.03 IDENTIFICATION DEVICES

A. Nameplates: Engraved, laminated-plastic or metal nameplate for each transformer, mounted with corrosion-resistant screws. Nameplates and label products are specified in Section 26 05 53 "Identification for Electrical Systems."

2.04 SEISMIC RESTRAINTS

A. Design and fabricate transformers, and anchorage devices for them, to withstand static and seismic forces specified in this Section above.

PART 3 - EXECUTION

3.01 POWER TRANSFORMERS

A. Factory Tests and Quality Control:

1. Conduct transformer tests according to IEEE C57.12.90.
2. Perform the following factory-certified tests on each transformer: In addition to the tests listed below, the Contractor may perform additional tests that he deems necessary.

   a. Resistance measurements of all windings on rated-voltage connection and on tap extreme connections.

   b. Ratio measurements on all no load taps.

   c. Polarity and phase relation on rated-voltage connections.

   d. Excitation and no-load loss at rated voltage on rated-voltage connections.

   e. Excitation and no load loss at 110 percent of rated voltage on rated-voltage connections.

   f. Load Loss at ONAN (OA) rating at rated voltage on the rated voltage connections.

   g. Impedance at ONAN (OA) rating at rated voltage on the rated voltage connections.

   h. Applied potential.

   i. Induced potential.

   j. Insulation Resistance.

   k. Insulation power factor.

   l. Dissolved gas in oil analyses.

3. Provide a copy of the results of all factory tests before shipping transformers.

4. Optional Tests: Separate pricing shall be provided for each of the following optional tests:

   a. Audible sound level.

   b. Impulse test.

   c. Temperature test.

   d. In place of temperature tests, UAF may elect to use the Contractor’s record of a temperature test, made in accordance with ANSI/IEEE Standards, on a duplicate or an essentially duplicate unit. The Contractor is to notify UAF of the availability of any such tests.
5. UAF shall have the option to witness all tests without causing any delays in factory schedules. The Contractor shall notify UAF at least one week prior to commencing any of the tests unless specified otherwise at the time of order.

6. The Contractor shall immediately notify UAF of any unusual damage occurring during construction of the transformer, and of all tests, which do not meet specified or standard values. A UAF representative shall be permitted, at the Project Manager’s option, to personally inspect any such damages and/or test failures, and their correction.

B. Loss Evaluation:

1. Loss evaluation shall be based on guaranteed losses at rated voltage, no-load taps on neutral tap position. Loss evaluation penalty calculations are listed on the proposal evaluation form.

2. The evaluation of No-Load losses shall be based on quoted losses at 100 percent excitation. The evaluation of Load Losses shall be based on the quoted losses at the ONAN kVA rating.

3. In the proposal evaluation, the appropriate loss number will be multiplied by the respective guaranteed loss value in kW, and the results added to the proposal price to give a total evaluated price for proposal comparison purposes.

4. If the actual tested loss values exceed the guaranteed maximum loss values stated in the Successful offeror’s proposal, the Successful offeror (Contractor) will be charged a penalty value for every kilowatt by which the actual tested transformer losses exceed the guaranteed maximum loses upon which the proposal was evaluated. The values for loss evaluation indicated above will be used, at full value, for calculating a penalty by multiplying the losses above the guaranteed value by the appropriate loss evaluation value. The total selling price will not be increased because of this evaluation.

C. Delivery:

1. Delivery shall be made F.O.B. Destination, University of Alaska Fairbanks Power Plant, 802 Alumni Drive, Fairbanks, Alaska 99775. Rail access is available.

2. UAF will take delivery of the units at the site per agreed up delivery schedule and will provide necessary equipment and manpower to unload the transformers.

3. The Contractor shall provide a minimum of 72 hours notice prior to arrival of the transformers at the site. UAF shall have 72 hours after arrival at the site to unload the transformer without incurring demurrage charges.

END OF SECTION 26 12 00
CHECK LIST OF REQUIRED SUBMITTALS

1. To be considered for award, proposals must include all required submittals. To assist Offerors in returning all of the required information, the following checklist has been prepared. During the Administrative Evaluation, proposals will be reviewed for compliance with the proposal submittal requirements outlined in the Instructions to Offerors to determine that:
   a. The proposal was received on time
   b. The correct number of copies were submitted, (1) electronic copy via E-mail PDF files, CD-ROM or USB Flash Memory of the completed proposal (including all items indicated in the CHECKLIST OF REQUIRED SUBMITTALS) The electronic copy shall contain no more than two (2) Adobe PDF files. The first file shall include the entire contents of the technical proposal. The second shall contain the entire contents of the sealed RFP Rate Response Form.
   c. The proposal was submitted in the correct format
   d. The proposal forms were properly signed
   e. All other necessary forms were included
   f. All material alterations or erasures, if any, were initialed
   g. Offeror has provided evidence of, or proof of application for, an Alaska Business License

Proposals failing to comply with the above requirements may be declared non-responsive and may be eliminated from further consideration.

2. The following pages must be submitted with your proposal:
   a. Proposal Transmittal Form (Electronic Signature Page Link)
   b. Statement of Compliance Form (Electronic Signature Page Link)
   c. Representations, Certifications, and Statements of Offerors (Electronic Signature Page Link)
   d. Rate Response Form(s)

3. In accordance with the Evaluation and Award section herein (Pages 10-14), and as part of the determination of the Offeror’s technical qualifications, the following information must be submitted with your proposal or any other information as required by this section or desired by offeror:
   a. Narrative and portfolio to demonstrate experience and support as described in the evaluation section.
   b. List of contracts and subcontracts completed (or in progress) during the last year

4. Other: In accordance with specifications herein, Offerors are required to submit with their proposals:
   a. Proposal Submittals (p. 15, 1.04.B.1)
   b. Alaska Business License (see page 9)
Offerors must complete this Rate Response Form and submit it, as a separate Adobe PDF and native file. Complete all forms and submit with your proposal in the order indicated on the Electronic Signature Page as a single Adobe PDF file. Do not include rate information in the technical offer or any other part of your proposal. Offers will consist of two PDF files.

Note: Faxed or telegraphed proposals are not acceptable and shall be rejected as non-responsive.

OFFERS WILL BE RECEIVED IN THE FOLLOWING FORMAT(S):
- USB Flash Memory
- CD or DVD
- Email

This rate response form has two schedules (A & B) to establish delivery in either 2013 or 2014. Your price submission should reflect your final price, all costs included FOB destination for each schedule for the respective year. It is UAF’s intent to issue purchase orders for each schedule in a timely manner for delivery based upon your proposed delivery time required. UAF reserves the right to change quantities (increase or decrease) at the proposed rates for each schedule, and notification will be provided via PO, change order, or contract modification.

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<th>Primary Voltage (Note 2)</th>
<th>Secondary Voltage</th>
<th>Fluid Type (Note 3)</th>
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TOTAL | 25 |
The total of line #7 above shall be used as the basis for the price evaluation calculation and points awarded as described in the evaluation section. Actual contract pricing is based upon “Price (FOB Site)” column and subject to final actual tested loss values penalty as described herein.

**Delivery Time ARO:**
Delivery time required to final F.O.B. point ARO:
Weeks ARO ____________

**Warranty:**
Warranty period: please state
(attach complete written manufacturer’s warranty to proposal)

Length ____________
(Minimum 5 year warranty)

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

### PROPOSAL PRICE EVALUATION SUMMARY

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<th>No.</th>
<th>Description</th>
<th>Unit Price</th>
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<td>Total Bid (for Evaluation scoring only) line 5 + 6</td>
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(See Specification Section 3.01B)