

**ADDENDUM TWO
FIRST ROUND QUESTIONS AND ANSWERS
AND SEE REVISED SCHEDULE OF EVENTS**

Date: June 6, 2018
 To: All Bidders
 From: Julie Dabydeen, Buyer
 AS Materiel State Purchasing Bureau
 RE: Addendum for Invitation To Bid Number 5825 OF REBID to be opened June 26, 2018, at 2:00 p.m. Central Time

Questions and Answers

Following are the questions submitted and answers provided for the above mentioned Invitation To Bid. The questions and answers are to be considered as part of the Invitation To Bid. It is the Bidder's responsibility to check the State Purchasing Bureau website for all addenda or amendments.

<u>Question Number</u>	<u>Question</u>	<u>State Response</u>
1.	Will NETV dispose of the refuse after installation? Provide dumpster during installation? Many crates boxes and coolant containers will be onsite and need to be disposed of.	Please see Section V.D. paragraph 4 and 5 of ITB
2.	Can the required surge suppressor be a Parallel type installed on either the secondary or primary of Stepdown transformer with safety/maintenance disconnect?	Yes, surge suppressor can be a parallel type installed on either side of step down transformer.
3.	What is the deadline for operation?	Please see section VI.C.20. of ITB
4.	Is NETV concerned with the efficiency specification of the transmitter system?	Yes, the proposed transmitter shall have amplifiers using Doherty high efficiency design.
5.	If NET requires a coax switch, should we include a switch controller and interconnect cables?	A coax switch is not required for this bid.
6.	Can NET describe the Demark for the transmitter RF output installation?	Please see Diagrams 1 & 2 at the end of the documentation for more information. Diagram 1 includes existing equipment and Diagram 2 shows equipment removed. Please see location C-4 and photographs

		for more information. Output of mask filter will connect to an existing 6 1/8" patch panel. RF patch panel will stay in its current location
7.	Can NETV please describe the internal RF coax interconnections between the transmitter demark and antenna input including coax size, type, gas block, rigid line lengths, elbows, etc.	Please see Diagrams 1 & 2 and photographs at the end of the documentation for more information. There is an existing 6 1/8" patch bay that the transmitter and mask filter will connect to. It is located in the northeast corner of the room. Existing gas block is downstream of this patch bay and will be retained. Mask filter is preferred to be installed behind the transmitter and hung from the ceiling, refer to Diagram drawing position C-5, 6 . An estimate of 4 90° elbows will be needed. Rigid coax lengths depend on type and placement of mask filter.
8.	Is this for an FCC repack station?	No. Please see section V.D. paragraph 8 of ITB
9.	Does the ITB have any liquidated damages?	No. Please see section II. Of ITB
10.	Is there a requirement for transmitter to allow replacement of a PA or power module without taking the transmitter off the air or reducing power?	Yes. Please see section VI.C.5. of ITB
11.	Is there any requirement to supply test equipment or other monitoring and service calibration equipment such as Power meter or FCC performance monitoring?	There is no requirement for extra test/measurement equipment for this bid.
12.	Please confirm Transmitter TPO output is to be based on a BROADBAND rating as opposed to a banded rating. This is an important clarification for ATSC3 and universal frequency operation from Channel	TPO output is to be based on a broadband rating.
13.	We are including a bid bond with our response. Due to the amount of the project are performance bonding costs to be included within unit price or shown as a % of additional cost?	No bond is required
14.	Will NET allow Mobilization, Deposits, Progress, or Milestone billing or will billing and payment be lump sum at final	Billing and payment will be lump sum once completion of all requirements and deliverables are

	acceptance?	received. See Section IV. Payment, Clauses A and C.
15.	Does a location currently exist for heat exchanger installation with ICE PROTECTED? If no will contractor be required to supply concrete pad, ICE BRIDGE, Or Ice Protection to protect heat exchangers from the potential of falling ice from the tower?	Please see Diagram 1 with existing equipment & Diagram 2 with equipment removed. New heat exchanger will be installed on an existing concrete pad location B-8 on the Diagram drawings with ice bridge protection.
16.	Is there existing concrete pad available for installation of transmitter heat exchangers?	Yes. Please see Diagrams 1 & 2. New heat exchanger will be installed on an existing concrete pad with ice bridge protection on the Diagram drawings location B-8.
17.	If no to the above, will contractor be responsible for providing a concrete slab for new heat exchanger installation?	See answer to question #16.
18.	Will NETV be providing an external remote control I.E. BURK and will interfacing, wiring, and programming be by contractor or NETV?	Yes, Interfacing, wiring, and programming will be the responsibility of NET.
19.	Will NETV be providing IP access and services for remote monitoring and IP control supported by proposed equipment?	Yes. Please see section V.D. paragraph 7 of ITB
20.	Will NETV require demolition and removal of equipment and systems being replaced including approved EPA disposal of Glycol and/or Oil Filled HV voltage transformers if currently in service?	No. Please see section V.D. paragraph 4 and 5 of ITB
21.	Can you please confirm Contractor will be responsible for provide and install the indoor and outdoor Cable Tray and supports required for routing, support, management, and protection of heat exchanger cooling hoses? A sketch would be greatly appreciated.	Yes, except electrical hook up.
22.	Will NETV personnel be available to offload and store system equipment on site within a secure and protected area or will contractor be required to receive, offload, and store all materials as they are shipped and arrive?	Contractor will be responsible for receiving and offloading shipments from carrier's truck(s) to NET secure garage. Please see section VI.F.3.

23.	Will NETV have available disposal facilities on site for the estimated 30 cubic yards of packaging and shipping material or should contractor include dumpster delivery, rental, and disposal within its bid?	Please see section V.D. paragraph 4 and 5 of ITB
24.	Will NETV have availability of a forklift for offloading and placement of transmitter equipment or should contractor include forklift delivery, rental, and pick up within its bid should lift gate service and not be available?	No. It is the contractor's responsibility.
25.	Will contractor be allowed to work extended hours and weekends during the installation phase?	Yes. Please see section V.D. paragraph 9 of ITB
26.	Can NETV provide a brief sequence for the transition from current transmitter and the proposed replacement? It would be helpful to understand any critical dates, concurrent operation requirements of existing transmitter and any other related tower and antenna work.	This is not a repack transmitter. No tower or antenna work will be done as a part of this project. Old transmitter will be removed by NET staff prior to installation of new transmitter. Temporary 1kW transmitter will be used to keep station on the air during this time. See section VI.C.20. of ITB
27.	Will a Test load be available with interconnecting coax components, so transmitter can be commissioned into known good test load for commissioning?	Please refer to Technical Specification on Section VI. C. 1.
28.	Will 50' of 4" grounding strap be adequate for interface into stations grounding system or will additional materials be required?	50' of 4" grounding strap will be adequate for interfacing into grounding system.

<p>29.</p>	<p>Can NETV Please review standard transmitter installation site conditions for any requirements which may be outside and additional to normal installation services (as listed below)?</p> <ul style="list-style-type: none"> A. any customer delays or issues that delay the project once INSTALLER personnel are on site will be charged to the customer at INSTALLER Standard rates plus expenses. B. all supplied equipment has been delivered to site prior to INSTALLER installation arrival. C. site access a minimum of 7 days a week and 10 hours per day. D. there is adequate space within the facilities to support the installation of all supplied equipment without the removal of any existing equipment. E. adequate and proper space existing external to the building to support cooling system. F. appropriate electrical and HVAC work to support new equipment has been completed prior to installation work start. G. customer hired electrician shall be on site day of or day after INSTALLER arrival to site to discuss equipment layout and final AC connection to each. H. electrical work can be completed without delaying installation and commissioning of equipment. I. delays that a considered customer delays can be charged to the customer at INSTALLER daily rates plus expenses. J. customer qualified staff shall be available to support INSTALLER Service Representatives with appropriate site access and other needs as they arise. K. customer's antenna connection is within 10 linear ft of location of RF mask filter unless otherwise specified. 	<p>NET is agreeable to the conditions listed.</p> <ul style="list-style-type: none"> A. See revised ITB B. NET will coordinate with contractor. C. Yes. D. Yes, NET will remove equipment prior to new installation. E. Yes. F. Yes. G. Yes. H. Yes. I. See revised ITB J. Yes. K. Please see Diagrams 1 & 2, existing combiner and mask filter will be removed. New mask filter if ceiling mounted can be positioned
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	<p>L. customer to supply appropriate acetylene and oxygen tanks for all soft solder and welding requirements.</p> <p>M. Station will have a pallet Jack suitable for moving around and setting cabinets and Heat exchangers</p> <p>N. Station will have Ladders on site suitable for operating at facility interior ceiling elevations.</p> <p>O. Standard HOTEL Rates. Seasonal or Rates beyond Hotel allocation will be billed at COST plus 15%</p> <p>P. NO DESIGN Changes, Additional Materials, Primary, or 3rd Party material repairs.</p> <p>Q. all work can be completed within single mobilization and within initial time allocations. Additional mobilization, additional crew days, all related travel and lodging expenses will be charged at INSTALLER daily rate plus expenses.</p> <p>R. Scope is based on Drawings provided at time of quotation. Revisions and changes subject to additional charge should any modifications, improvements, additions are made to drawings after price proposal has been submitted.</p>	<p>within 10'. If not ceiling mounted the dimensions and physical layout will determine the length of this run</p> <p>L. Yes.</p> <p>M. No.</p> <p>N. No.</p> <p>O. Yes, the only additional cost allowed would be for delays due to the State. Bidder should provide daily cost including all per diem for delays due to the State or requested by the State on Line 6 of the Invitation to Bid Form.</p> <p>P. State does not anticipate any major design changes, see response to Letter R.</p> <p>Q. All work must be completed within one mobilization and within initial proposed time allocation.</p> <p>R. Any revision and associated cost will have to be agreeable to all parties and formalized through the State Purchasing Bureau as a change order.</p>
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	<p>S. RT travel from INSTALLER to Customer location. INSTALLER may elect to fly and ship tools at its sole discretion.</p> <p>T. Offloading equipment LULL extendable boom or equal, 15yd onsite dumpster per cabinet to be provided for debris disposal prior to installation start date.</p> <p>U. Does not include any disposal of any equipment that may have been removed during installation process. Customer shall be responsible for proper storage or disposal.</p> <p>V. Does not include Installation or Commissioning Services of any INSTALLER supplied equipment as related to towers, antennas or transmission line from tower to building.</p> <p>W. Does not include any work beyond commissioning and operational testing. Customer will be responsible for interfacing Remote control, interlocks, and all other external equipment.</p> <p>X. Installation Does not require exterior wall penetrations, Ice Bridge, Electrical, or mechanical additions or modifications unless otherwise specified by customer.</p> <p>Y. INSTALLER will assist Customer with Video Input, Remote Control, Network, and Interlock locations; however, customer not INSTALLER will be responsible for all associated wiring, commissioning, programming, and labor related to devices outside the transmitter cabinet.</p>	<p>S. Agreed, provided there is no additional cost to State.</p> <p>T. No. Contractor to provide offloading equipment. Dumpster will be provided. Refer to Section V. D. paragraph 5.</p> <p>U. Yes.</p> <p>V. Yes.</p> <p>W. Yes.</p> <p>X. Yes.</p> <p>Y. Yes</p>
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**Revised Schedule of Events –
Including Added Second Round of Questions and Answers**

ACTIVITY		DATE/TIME
3.	State responds to first round of written questions through Invitation To Bid “Addendum” and/or “Amendment” to be posted to the Internet at: http://das.nebraska.gov/materiel/purchasing.html	June 6, 2018
4.	Last day to submit second round written questions	June 14, 2018
5.	State responds to second round of written questions through Invitation To Bid “Addendum” and/or “Amendment” to be posted to the Internet at: http://das.nebraska.gov/materiel/purchasing.html	June 18, 2018
6.	Proposal opening Location: State Purchasing Bureau 1526 K Street, Suite 130 Lincoln, NE 68508	June 26, 2018 2:00 PM Central Time
7.	Review for conformance of mandatory requirements	June 26, 2018
8.	Review Period	TBD
9.	Post “Letter of Intent to Award” to Internet at: http://das.nebraska.gov/materiel/purchasing.html	TBD
10.	Purchase Order finalization period	TBD
11.	Purchase Order award	TBD

This addendum will become part of the ITB and should be acknowledged with the Invitation To Bid.