

Forsyth County Procurement

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November 22, 2021

ADDENDUM #1 BID No. 21-177-3340

For: Liquid Oxygen Tank Rental and Liquid Oxygen and Liquid Nitrogen Supply

This addendum supersedes and supplements all portions of the bidding documents and becomes part of the contract documents for the above-referenced project.

Where any item called for in the specifications or indicated on the drawings is supplemented hereby, the original requirements shall remain in effect.

Where any original item is amended, voided or superseded hereby, the provision of such item not so specifically amended, voided or superseded shall remain in effect.

Clarification on Bidder Questions:

1. Q: On the Special terms and Conditions Sheet, it mentions a cost per month tank storage fee that is to remain firm during the course of the contract. It is my understanding that these tanks have already been purchased, so why would the approved vendor charge a monthly fee?

A: The liquid nitrogen tank has previously been purchased by the Owner. The liquid oxygen tank, ambient vaporizers, solenoid valves for switching between vaporizers, and other equipment as identified in the <u>LOX EQUIPMENT REQUIREMENTS</u> section of the bid documents shall be provided by the vendor.

2. Q: It also states that at the end of the agreement, the successful vendor will remove the equipment. If this is customer-owned equipment, no vendor will remove such equipment as it is not the property of the vendor. Can you elaborate?

A: The vendor owned equipment will be removed, customer owned equipment shall remain.

3. Q: The Bid paperwork also states that all permits must be paid for by the vendor, but since the equipment is customer-owned, Forsyth County will be responsible for the State Inspection that has to be completed prior to the commissioning of the bulk tanks. Can you clarify this for me?

A: Vendor will only be responsible for the inspections related to equipment provided by the vendor.

4. Q: Who is the current liquid oxygen supplier?

A: There is currently not a supplier / contract in place.

5. Q: What is the current liquid oxygen price?

A: There is currently not a supplier / contract in place.

6. Who is the current liquid nitrogen supplier?

A: There is currently not a supplier / contract in place.

7. Q: What is the current liquid nitrogen price?

A: There is currently not a supplier / contract in place.

8. Q: What size is the valve that the vendor will connect to on the pad for both oxygen and nitrogen?

A: Vendor shall provide the connection for the liquid oxygen tank. Details on the liquid nitrogen tank are attached with cutsheet.

9. Q: What kind of connection will be provided on both systems?

A: Vendor shall provide the connection for the liquid oxygen tank. Details on the liquid nitrogen tank are attached.

10.Q: Is the houseline pressure 50 PSI for the oxygen and can you confirm the pressure on the nitrogen as well?

A: 50 psi is sufficient for both oxygen and nitrogen.

11.Q: Does the liquid line need to be insulated on the oxygen system?

A: Yes.

12.Q: Are there any details on the pipe material that will need to be installed? Copper or Stainless?

A: LOX piping will be copper, or as recommended by selected vendor. Gas piping will be 316 stainless steel.

13.Q: How thick is the concrete pad for the liquid nitrogen tank?

A: 16-inches.

14.Q: Will Western Summit perform all of the installation? And will the vendor need to be on-site during the connection process?

A: Western Summit will perform the installation of the liquid oxygen tank and associated components, however, the vendor will need to provide a representative onsite for key steps in the installation process and to certify the installation.

15. Q: The updated location for the LOX tank is near a storm drain inlet. Can you confirm that the location will be at least 10 ft. from the opening?

A: The proposed LOX tank will be located greater than 10 ft. from the storm drain inlet. See attachment for the proposed location.

16.Q: Documents state that equipment shall be provided onsite no later than 12-weeks after the notice to proceed is issued. We are currently seeing lead times of 14-18 weeks on bulk related equipment.

A: It is important to get the system up and running as soon as possible and having the LOX equipment onsite within 12-weeks is key in doing this. If vendor cannot meet the 12-week schedule, please provide commentary separate to the bid form with temporary options, temporary timelines, and associated costs. Note that it is acceptable for temporary options to have less capacity (such as tank could be 500 gallons and vaporizers could be 20 scfm).

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