Solicitation FB-00678

Laboratory Gases for Miami-Dade County Medical Examiner Toxicology Laboratory

Solicitation Designation: Public

Miami-Dade County
Solicitation FB-00678
Laboratory Gases for Miami-Dade County Medical Examiner Toxicology Laboratory

Solicitation Number FB-00678
Solicitation Title Laboratory Gases for Miami-Dade County Medical Examiner Toxicology Laboratory

Solicitation Start Date Aug 18, 2017 8:20:15 AM EDT
Solicitation End Date Sep 1, 2017 6:00:00 PM EDT
Question & Answer End Date Aug 25, 2017 7:00:00 AM EDT

Solicitation Contact Martha Garofolo
305-375-4265
marthag@miamidade.gov

Solicitation Contact Alexis Castro
Procurement Contracting Officer 1
ISD - Procurement Management Services
305-375-1291
acastro@miamidade.gov

Contract Duration See Bid Documents
Contract Renewal Not Applicable
Prices Good for Not Applicable
Pre-Solicitation Conference Aug 22, 2017 10:30:00 AM EDT
Attendance is optional
Location: Medical Examiner Department
1851 N.W. 10 Avenue
Miami, FL 33136

Solicitation Comments
The purpose of this solicitation is to establish a contract for the purchase of medical, industrial gases and related items for Miami-Dade County Medical Examiner Department in conjunction with the County's needs on an as needed when needed basis.

Addendum # 1

New Documents FB-00678 Bid Packet.pdf

Removed Documents FB-00678 Laboratory Gases for Miami-Dade County Medical Examiner Department Toxology Laboratory.docx

Addendum # 2

New Documents Addendum No. 1.pdf

8/23/2017 5:32 AM
Addendum # 3

New Documents  Addendum No. 2.pdf

Changes were made to the following items:
Liquid Nitrogen

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Item Response Form

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<td>Unit Price</td>
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<tr>
<td>Medical Examiners Complex - Morgue Bldg</td>
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<tr>
<td>One Bob Hope Road</td>
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Description
Helium
For use in GC, GC/MS/MS, and LC/MS/MS
Compressed gas
Tank size: Approximately 9’ x 51’ (size 300)
Valve outlet (CGA): 580
Guaranteed analysis of:
Purity Minimum: 99.995% Ultra-High Purity grade
Oxygen: less than 1 ppm
Nitrogen: less than 1 ppm
Water: less than 1 ppm
Total Hydrocarbons (THC): less than 0.5 ppm
Demonstrated purity with GC trace analysis
The quantity requested is an estimate for one (1) year

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</table>

Description
Hydrogen
For use as a detector fuel gas in gas chromatography with flame ionization and nitrogen specific detectors
Compressed gas
Tank size: 330
Valve outlet (CGA): 350
Guaranteed analysis of:
Purity minimum: 99.995% Ultra-High Purity
Oxygen: less than 1 ppm
The purpose of this solicitation is to establish a contract for the purchase of medical, industrial gases and related items. The vendor must provide tanks and valves warranted against defects, leaks and contamination. The vendor will install the necessary microbulk™ equipment that includes gas chromatography and mass spectrometry. The vendor must have prior experience selling and providing liquid nitrogen in microbulk™ equipment.

**EQUIPMENT REQUIREMENTS**

- R. Vendor must be able to install tank in building space including hooking into gas lines in current space.
- Q. Storage tank must be able to fit in current space allocated for liquid nitrogen.
- O. Storage tank must be sufficiently insulated to minimize venting and gas waste.
- M. Must be able to provide service on a scheduled and regular basis to provide an uninterrupted source of nitrogen gas to the laboratory.
- L. Must be capable of remotely monitoring storage tanks to anticipate service and to schedule refills.
- H. Medical Examiner toxicology laboratory reserves the right to evaluate the quality of gas and service provided.

### Item Response Form

**Item** | **Quantity** | **Description**
--- | --- | ---
**FB-00678--01-03** - Air | **55 each** | For use in GC, GC/MS/MS, LC/MS/MS. Compressed gas. Tank size: 300. Valve outlet (CGA): 590. Guaranteed analysis of:
- Purity minimum: 99.99% Ultra-zero
- Water: less than 2 ppm
- Total hydrocarbons (THC): less than 1 ppm
- Carbon dioxide: less than 1 ppm
- Carbon monoxide: less than 0.5 ppm

The quantity requested is an estimate for one (1) year.

| Item | **FB-00678--01-04** - Argon | **10 each** |
| --- | --- | ---
| **Description** | Argon | For use as a collision gas (CID) in triple quadrupole gas chromatography-mass spectrometry.
- Compressed gas
- Tank size: 300
- Valve outlet (CGA): 580
- Guaranteed analysis of:
- Purity minimum: 99.995% Ultra-high purity
- Oxygen: less than 1 ppm
- Water: less than 1 ppm
- Nitrogen: less than 5 ppm
- Total hydrocarbons (THC): less than 1 ppm
- Demonstrated purity with GC/MS/MS analysis.

The quantity requested is an estimate for one (1) year.

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**Laboratory Gases for Miami**

Miami-Dade County

- Morgue Bldg
- Medical Examiners Complex
- One Bob Hope Road
- Miami, FL 33136

**Delivery Location**

- Miami-Dade County

**Quantity**

- FB-00678
- 01
- 04

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**Laboratory Gases for Miami**

Miami-Dade County

- ISD
- Procurement Management Services
- Alexis Castro
- acastro@miamidade.gov
- marthag@miamidade.gov
- 305-374-1291

**Attendance is optional**

**Questions or Comments**

**Solicitation Start Date**

Aug 25, 2017 7:00:00 AM EDT

**Solicitation Number**

Solicitation FB-00678

**Contract Renewal**

Not Applicable

Aug 18, 2017 8:20:15 AM EDT

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**Item**

- **FB-00678--01-03** - Air
- **FB-00678--01-04** - Argon

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**Prices**

- **Good for**
- **Solicitation Conference**

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**Water:** less than 2 ppm
**Total hydrocarbons (THC):** less than 0.5 ppm
**Carbon dioxide:** less than 0.5 ppm
**Carbon monoxide:** less than 0.5 ppm
**Nitrogen:** less than 5 ppm

Demonstrated purity with GC trace analysis utilizing ECD and NPD systems.

The quantity requested is an estimate for one (1) year.
The purpose of this solicitation is to establish a contract for the purchase of medical, industrial gases and related items

C. The vendor must deliver gases in properly labeled and identified tanks that have undergone proper hydrostatic testing and certifications.

B. The vendor must deliver tanks with secured and protected valves free of excessive rust or indications of valve damage.

EQUIPMENT REQUIREMENTS

A. The vendor must provide communication equipment as part of the storage tank that allows them to remotely monitor the tank condition and volume of gas in storage so that they can schedule delivery of liquid nitrogen independent of laboratory.

D. The vendor will schedule routine liquid nitrogen delivery and tank maintenance as necessary.

E. Vendor will maintain and repair tank and manifold system as necessary at no additional cost,

F. The storage system must maintain a supply pressure of at least 100 psi of high purity nitrogen gas to the laboratory,

G. Storage system shall provide digital monitoring instruments to allow the laboratory to observe usage and volume of gas in storage,

H. Medical Examiner toxicology laboratory reserves the right to evaluate the quality of gas and service provided.

I. Must have prior experience selling and providing liquid nitrogen in micro-bulk quantity to remote sites using the Microbulk™ system.

J. Must have prior experience managing fixed liquid nitrogen tanks, including installation and maintenance.

K. Must have prior experience providing specialty gases, including nitrogen, to laboratory facilities for sensitive analytical instrumentation that includes gas chromatography and mass spectrometry.

L. Must be capable of remotely monitoring storage tanks to anticipate service and to schedule refills.

M. Must be able provide service on a scheduled and regular basis to provide an uninterrupted source of nitrogen gas to the laboratory.

N. Must be able to access the storage tank in the building to deliver liquid nitrogen refills as necessary.

O. Storage tank must be sufficiently insulated to minimize venting and gas waste.

P. Storage tank must be capable of delivering nitrogen at a minimum of 100 psi to the laboratory.

Q. Storage tank must be able to fit in current space allocated for liquid nitrogen.

R. Vendor must be able to install tank in building space including hooking into gas lines in current space.

S. Delivery service should be scheduled to coincide with normal business hours for the department.

The Toxicology Laboratory utilizes nitrogen gas at large volumes each day as detector make-up gas in chromatographs, as a drying gas in the ion sources of LC/MS/MS instruments and as a neutral gas to evaporate solvents from extracts without adding contamination or moisture. Approximate use 660,000 standard cubic feet per year.

This contract will include the following for the liquid nitrogen micro-bulk system:

A. The vendor will install the necessary micro-bulk storage tank, gas, lines, manifolds and regulators as necessary at no additional costs; including adapting as necessary to the buildings system.

B. The bulk storage tank should not exceed 500 liters in size and provide the necessary evaporators to optimize the gas formation more efficiently.

C. The vendor must provide communication equipment as part of the storage tank that allows them to remotely monitor the tank condition and volume of gas in storage so that they can schedule delivery of liquid nitrogen independent of laboratory.

D. The vendor will schedule routine liquid nitrogen delivery and tank maintenance as necessary.

E. Vendor will maintain and repair tank and manifold system as necessary at no additional cost,

F. The storage system must maintain a supply pressure of at least 100 psi of high purity nitrogen gas to the laboratory,
C. The vendor must deliver gases in properly labeled and identified tanks that have undergone proper hydrostatic testing and certifications.

### Addendum # 3

<table>
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<th>Previous Title</th>
<th>New Title</th>
<th>Liquid Nitrogen</th>
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Changes were made to the following items:

**Description**

- **Item**: Liquid Nitrogen
- **Added Item**: Liquid Nitrogen
BID NO.: FB-00678  
Laboratory Gases for Miami-Dade County Medical Examiner Toxicology Laboratory  
Sep 1, 2017

MIAMI-DADE COUNTY, FLORIDA  

INVITATION TO BID

TITLE: Laboratory Gases for Miami-Dade County Medical Examiner Toxicology Laboratory

FOR INFORMATION CONTACT:  
Martha Garofolo 305-375-4265 marthag@miamidade.gov

IMPORTANT NOTICE TO BIDDERS/PROPOSERS:

- READ THE ENTIRE SOLICITATION DOCUMENT, THE GENERAL TERMS AND CONDITIONS, AND HANDLE ALL QUESTIONS IN ACCORDANCE WITH THE TERMS OUTLINED IN PARAGRAPH 1.2(D) OF THE GENERAL TERMS AND CONDITIONS.

- THE SOLICITATION SUBMITTAL FORM CONTAINS IMPORTANT INFORMATION THAT REQUIRES REVIEW AND COMPLETION BY ANY BIDDER/PROPOSER RESPONDING TO THIS SOLICITATION.

- FAILURE TO COMPLETE AND SIGN THE SOLICITATION SUBMITTAL FORM WILL RENDER YOUR PROPOSAL NON-RESPONSIVE.
GENERAL TERMS AND CONDITIONS:

All general terms and conditions of Miami-Dade County Procurement Contracts are posted online. Bidders/Proposers that receive an award from Miami-Dade County through Miami-Dade County's competitive procurement process must anticipate the inclusion of these requirements in the resultant Contract. These general terms and conditions are considered non-negotiable.

All applicable terms and conditions pertaining to this solicitation and resultant contract may be viewed online at the Miami-Dade County Procurement Management website by clicking on the below link:


NOTICE TO ALL BIDDERS/PROPOSERS:

Electronic bids are to be submitted through a secure mailbox at BidSync (www.bidsync.com) until the date and time as indicated in this Solicitation document. It is the sole responsibility of the Bidder/Proposer to ensure their proposal reaches BidSync before the Solicitation closing date and time. There is no cost to the Bidder/Proposer to submit a proposal in response to a Miami-Dade County solicitation via BidSync. Electronic proposal submissions may require the uploading of electronic attachments. The submission of attachments containing embedded documents or proprietary file extensions is prohibited. All documents should be attached as separate files.

For information concerning technical specifications please utilize the question/answer feature provided by BidSync at www.bidsync.com within the solicitation. Questions of a material nature must be received prior to the cut-off date specified in the solicitation. Material changes, if any, to the solicitation terms, scope of services, or bidding procedures will only be transmitted by written addendum. (See addendum section of BidSync site).

Please allow sufficient time to complete the online forms and upload of all proposal documents. Bidders/Proposers should not wait until the last minute to submit a proposal. The deadline for submitting information and documents will end at the closing time indicated in the solicitation. All information and documents must be fully entered, uploaded, acknowledged (Confirm) and recorded into BidSync before the closing time or the system will stop the process and the response will be considered late and will not be accepted.

PLEASE NOTE THE FOLLOWING:

No part of your proposal can be submitted via HARDCOPY, EMAIL, OR FAX. No variation in price or conditions shall be permitted based upon a claim of ignorance. Submission of a proposal will be considered evidence that the Bidder/Proposer has familiarized themselves with the nature and extent of the work, and the equipment, materials, and labor required. The entire proposal response must be submitted in accordance...
with all specifications contained in the solicitation electronically.
SECTION 2 - SPECIAL TERMS AND CONDITIONS

2.1 PURPOSE

The purpose of this solicitation is to establish a contract for the purchase of medical, industrial, and laboratory gases and related items for Miami-Dade County Medical Examiner Department in conjunction with the County's needs on an as needed when needed basis.

2.2 TERM OF CONTRACT

This contract shall commence on the first calendar day of the month succeeding approval of the contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Notice of Award Letter distributed by the County's Department of Internal Services, Procurement Management Division and contingent upon the completion and submittal of all required bid documents. The contract term is for five (5) years and shall expire on the last day of the last month of the contract term.

2.3 METHOD OF AWARD

Award of this contract will be made to one (1) responsive, responsible vendor who submits an offer on all items listed in the solicitation and whose offer represents the lowest price when all items are added in the aggregate. To be considered for award, the bidder shall offer prices for all items listed in the solicitation. If a bidder fails to submit an offer for all items listed within the solicitation its offer shall be rejected.

If the awarded vendor fails to perform in accordance with the terms and conditions of the contract, the Bidder may be deemed in default of the contract. Failure of any vendor to perform in accordance with the terms and conditions of the contract may result in the vendor being deemed in breach of contract. The County may terminate the contract for default and charge the vendor re-procurement costs, if applicable. If the awarded Bidder defaults, the County shall have the right to negotiate with the next responsive, responsible Bidder.

2.4 Bidders shall provide the following documentation with bid submittal:

1. Bidder shall submit emergency contact information for 24-hour contact. The contact information shall include name, address, telephone number and/or e-mail address. Vendor must be able to assure 24 hour call-back to resolve order disputes and technical issues. (The vendor agrees by the submission of their bid to prioritize delivery to the Miami-Dade Medical Examiner Department.

2. If the bidder shall be utilizing a third party distributor or manufacturer as the source of supply for obtaining and delivering products and/or materials required in conjunction with this Solicitation, the bidder shall supply a copy of its agreement with the supplier with bid submission. The information contained in such agreement(s) shall include, but not be limited to shipping, delivery terms, packaging requirements, and product specification sheets for each type of gas or mixture of gas being offered in accordance with the best industry standards and practices.

3. The vendor must submit information on three (3) references to which the vendor has provided laboratory gases and equipment as identified in Section 3 - Technical Specifications. The information provided shall include the name, address, contact number and/or e-mail of the references.
4. Vendor shall provide an on-line ordering system to place and check orders. Vendor is required to submit with their submittal information on how to access their on-line ordering system.

The County may allow vendors to submit any missing or required documentation during the bid evaluation period.

2.5 PRICE ADJUSTMENT

The initial contract prices resultant from this Solicitation shall prevail for a one (1) year period from the contract's initial effective date. Prior to completion of each one year period of the contract, the County may consider an adjustment to price effective the next contract year based on changes in the following pricing index: Industrial Gas Manufacturing Series Id: PCU325120325120.

It is the vendor’s responsibility to request any pricing adjustment under this provision. The request for adjustment must be submitted 90 days prior to expiration of the then current contract year. The adjustment request cannot be in excess of the relevant pricing index change. If no adjustment request is received, the County will assume that the awarded vendor has agreed to maintain the then current pricing. Any adjustment request received after the annual contract anniversary date will only be considered for the following contract year. The County reserves the right to reject any price adjustments submitted.

The County reserves the right to negotiate lower pricing based on market research information or other factors that influence price. The County reserves the right to apply any reduction in pricing based on the downward movement of the applicable index.

2.6 EXAMINATION OF SITE (RECOMMENDED)

Prior to submitting its offer it is advisable that the bidder visit the Medical Examiner’s Office to view the existing carts and become familiar with the materials, measurements and labor required to construct the carts. No additional allowances will be made because of lack of knowledge of the requirements.

Site Visit Location, Date and Time:
Medical Examiner Department
1851 N.W. 10 Avenue
Miami, FL 33136

Date: August 22, 2017   Time: 10:30 a.m.

2.7 DELIVERY

The vendor shall make deliveries within two (2) calendar days after the date of the order or as specified on the purchase order. All deliveries shall be made in accordance with good commercial practice and all required delivery timeframes shall be adhered to by the vendor(s); except in such cases where the delivery will be delayed due to acts of nature, strikes, or other causes beyond the control of the vendor. In these cases, the vendor shall notify the County of the delays in advance of the original delivery date so that the County can appropriately consider a revised delivery schedule. Should the vendor fail to deliver in the number of days stated above, the County reserves the right to cancel the contract on a default basis. If the contract is terminated, it is hereby understood and agreed that the County has the authority to purchase the goods elsewhere and to charge the incumbent vendor with any re-procurement costs.
Delivery and pickup requirements:

1) Vendor must be prepared to deliver ordered gases to the tank loading dock of the department; off load the tanks to the storage room on the dock, and pick-up all empty tanks during this period.
2) Vendor must provide a written receipt upon delivery, indicating tanks delivered and empty tanks picked up.

Delivery requirements for liquid gases (nitrogen):

1) Vendor will provide a means to electronically monitor the contents of the bulk liquid nitrogen storage tank remotely so as to provide routine schedules of deliveries and automatic replenishment of the tank.
2) Vendor must schedule automatic deliveries to maintain the necessary liquid nitrogen volume so as to not disrupt laboratory operations.
3) Vendor must notify the laboratory in advance of any delays and provide an expected date of delivery.

The vendor must agree to replace, within 2 business days of notification, any defective or leaking tank or any tank containing gas that is determined by the toxicology laboratory to not meet purity specifications indicated by high background or the detection of a contaminant gas.

Certain County employees may be authorized in writing to pick-up materials under this contract. Vendor(s) shall require presentation of this written authorization. The vendor shall maintain a copy of the authorization.

If the vendor is in doubt about any aspect of material pick-up, the vendor shall contact the appropriate user department to confirm the authorization.

2.8 BACK ORDER DELAYS

The County shall not allow any late deliveries attributed to product back order situations under this contract. Accordingly, the vendor is required to deliver all items to the County within the time specified, and no grace period because of back order situations is allowed, unless the user department issues written authorization, and a new delivery date is mutually established.

2.9 INDEMNIFICATION AND INSURANCE

Contractor shall indemnify and hold harmless the County and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorneys’ fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this Agreement by the Contractor or its employees, agents, servants, partners principals or subcontractors. Contractor shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney’s fees which may issue thereon. Contractor expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by Contractor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County or its officers, employees, agents and instrumentalities as herein provided.
The Contractor shall furnish to the Internal Services Department / Procurement Management Services, 111 NW 1st Street, Suite 1300, Miami, Florida 33128-1989, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

A. Worker’s Compensation Insurance for all employees of the Contractor as required by Florida Statute 440.

B. Commercial General Liability Insurance on a comprehensive basis, in an amount not less than $1,000,000 combined single limit per occurrence for bodily injury and property damage. Miami-Dade County must be shown as an additional insured with respect to this coverage.

C. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than $1,000,000 combined single limit per occurrence for bodily injury and property damage.

All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida, with the following qualifications:

The company must be rated no less than “A-” as to management, and no less than “Class VII” as to financial strength, by Best’s Insurance Guide, published by A.M. Best Company, Oldwick, New Jersey, or its equivalent, subject to the approval of the County Risk Management Division.

or

The company must hold a valid Florida Certificate of Authority as shown in the latest “List of All Insurance Companies Authorized or Approved to Do Business in Florida” issued by the State of Florida Department of Financial Services.

NOTE: CERTIFICATE HOLDER MUST READ: MIAMI-DADE COUNTY

111 NW 1ST STREET
SUITE 2340
MIAMI, FL 33128

2. 10 ACCEPTANCE OF PRODUCT BY THE COUNTY

The product(s) to be provided hereunder shall be delivered to the County, in full compliance with the specifications and requirements set forth in this contract.

All products will be inspected by an authorized representative of the County. This inspection shall be performed to determine acceptance, appropriate invoicing, and warranty conditions. If a vendor provides product(s) that do not meet the specifications and requirements of this contract, prior either to acceptance or upon initial inspection, the item will be returned, at vendor’s expense, to the vendor. At the County’s own option, the vendor shall either provide a direct replacement for the item, or provide a full credit for the returned item. The vendor shall not assess any additional charge(s) for any conforming action taken by the County under this clause.
2.11 PURCHASE OF OTHER ITEMS NOT LISTED WITHIN THIS SOLICITATION BASED ON PRICE QUOTES

While the County has listed all major items within this solicitation, which are utilized by County departments in conjunction with their operations, there may be similar items that must be purchased by the County during the term of this contract.

Any additional items required may be purchased as needed. Under these circumstances, a County representative will contact the primary vendor to obtain a price quote for the similar services or items.

The County reserves the right to award these similar items to the primary vendor or, to acquire the items through another means.

2.12 ADDITIONAL FACILITIES / DELETION OF FACILITIES

Although this solicitation identifies a specific facility to be serviced, it is hereby agreed and understood that any County department or agency facility may be added or deleted when such service is no longer required during the contract period.

2.13 COMPLIANCE WITH FEDERAL STANDARDS

All items to be purchased under this contract shall be in accordance with all governmental standards, to include, but not be limited to, those issued by the Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), and the National Fire Protection Association (NFPA). All gas cylinder labeling must meet US Department of Transportation (DOT) and Occupational Safety and Health Standards (OSHA) Regulations and Specifications (Standards – 29 CFR, Section 1910) including, but not limited to, legible markings and proper color coding of cylinders for the purpose of identifying the gas content with either the chemical or trade name of the gas. Such markings shall be by means of stenciling, stamping or labeling, and shall not be readily removable.

2.14 LEGAL REQUIREMENT FOR POLLUTION CONTROL

It is the intent of these specifications to comply with the Miami-Dade County Pollution Control Ordinance as stated in Chapter 24 of the Miami-Dade Code. This ordinance is made a part of these specifications by reference and may be obtained, if necessary, by the vendor through the Department of Permitting, Environment, and Regulatory Affairs, 701 N.W. 1 Court, 4th Floor. Miami, Florida 33136, Telephone (305) 372-6789.

2.15 TESTING OF RANDOM SAMPLES OF DELIVERED PRODUCTS

During the term of the contract, samples of delivered items may be randomly selected and tested for compliance with these specifications. If it is found that the delivered items do not conform to the specifications, the County shall require replacement within a reasonable length of time and may cancel the contract for default.

2.16 EMERGENCY SERVICE

In the event a State of Emergency is declared by Miami-Dade County, the vendor shall provide 24-hour service for emergency delivery to the County Departments. Delivery shall be made throughout the duration of the State of Emergency within four (4) hours of notification by the County. Vendor may be required to maintain their current pricing for the duration of the State of Emergency.
The vendor shall coordinate efforts with Miami-Dade County in delivering services outside the normal schedule as required under this solicitation.

2.17 MINOR REPAIRS

In the event any minor repairs are required to cylinders, storage tanks, or other items associated with the provisions on this solicitation, the user department may choose to obtain a written estimate from the awarded vendor.

The user department will request a written estimate of a firm fixed price for the repair service required. The vendor’s written estimate shall include the labor and material charges separately; and the vendor shall not proceed with any repair work without the explicit written permission from an authorized County representative on this contract.
SECTION 3 – TECHNICAL SPECIFICATIONS

3.1 SCOPE
The Toxicology Laboratory utilizes various ultra-high purity gases in its daily operations. These gases are used in the routine operation of gas chromatographs (GC), liquid chromatographs (HPLC), gas chromatograph-mass spectrometers (GC/MS and GC/MS/MS) and liquid chromatograph-mass spectrometers (LC/MS/MS and LC-Ion trap MS/MS). Depending on the gas, they may be used as carrier gases in GC and GC/MS systems, as reaction gases in detectors and mass spectrometer sources, as collision gases in MS/MS systems, or drying gases in ultra-high sensitive LC/MS ion sources. In all cases the gases must not provide a level of background contamination that will hinder the operation and sensitivity of the instruments to the degree that the ability to measure trace analytes in the parts-per-billion (ppb) and parts-per-trillion (ppt) range is diminished. The gases included are the following:

1) Helium – Ultra-high purity (99.995%)
2) Nitrogen – from liquid nitrogen
3) Hydrogen – ultra-high purity (99.995%)
4) Argon – ultra-high purity (99.995%)
5) Air – ultra high purity (99.99%)
6) Carbon Dioxide

3.2 GENERAL SPECIFICATIONS
County Departments utilize various types of gases for their daily operational needs, in this section County Departments are listed under specific groups. This is only for informational purposes. The County Departments will avail themselves of any type of gas listed on this solicitation on as needed when needed basis.

GAS PURITY VERIFICATION

1) Vendor must provide new tanks and valves properly maintained and set aside for laboratory’s supply.
2) Vendor must be prepared to furnish and deliver the required ultra-high purity instrument gases as described; for the purposes of trace level chemical analysis.
3) The vendor must have prior experience providing gases to laboratories utilizing their products to perform trace analysis (ppb –ppt) using the instruments listed above.
4) Vendor must be able to provide a certificate of analysis on all gas deliveries as necessary and when requested by laboratory.
5) Certificate shall state the type of analysis performed and the results of the testing; indicating the percentages of contaminants and lowest detection limits of the testing method; and in the case of liquid nitrogen the analysis, should state whether the results are for the liquid or gas phase.
6) Vendor must use gas valves and fittings specifically for use on tanks of high purity laboratory gases.
COMPRESSED GAS:

1. **HELIUM**
   For use in GC, GC/MS/MS, and LC/MS/MS
   Compressed gas
   Tank size: approximately 9” x 51” (size 300)
   Valve outlet (CGA): 580
   Guaranteed analysis of:
   Purity Min: 99.995% Ultra-High Purity grade
   Oxygen: less than 1 ppm
   Nitrogen: less than 1 ppm
   Water: less than 1 ppm
   Total Hydrocarbons (THC): less than 0.5 ppm
   Demonstrated purity with GC trace analysis

2. **HYDROGEN**
   For use as a detector fuel gas in gas chromatography with flame ionization and nitrogen specific detectors
   Compressed gas
   Tank size: 330
   Valve outlet (CGA): 350
   Guaranteed analysis of:
   Purity minimum: 99.995% Ultra-High Purity
   Oxygen: less than 1 ppm
   Water: less than 2 ppm
   Total hydrocarbons (THC): less than 0.5 ppm
   Carbon dioxide: less than 0.5 ppm
   Carbon monoxide: less than 0.5 ppm
   Nitrogen less than 5 ppm
   Demonstrated purity with GC trace analysis utilizing ECD and NPD systems

3. **AIR**
   For use in GC, GC/MS/MS, LC/MS/MS
   Compressed gas
   Tank size: 300
   Valve outlet (CGA): 590
   Guaranteed analysis of:
   Purity minimum: 99.99% Ultra-zero
   Water: less than 2 ppm
   Total hydrocarbon (THC): less than 1 ppm
   Carbon dioxide: less than 1 ppm
   Carbon monoxide: less than 0.5 ppm

4. **ARGON**
   For use as a collision gas (CID) in triple quadrupole gas chromatography-mass spectrometry
   Compressed gas
   Tank size: 300
   Valve outlet (CGA): 580
   Guaranteed analysis of:
   Purity minimum: 99.995% Ultra-high purity
Oxygen: less than 1 ppm
Water: less than 1 ppm
Nitrogen: less than 5 ppm
Total hydrocarbons (THC): less than 1 ppm
Demonstrated purity with GC/MS/MS analysis

5. CARBON DIOXIDE
For use in the preparation of dry ice for preserving biological specimens for shipment
Industrial grade
50 lb tank with siphon tube

LIQUID NITROGEN SPECIFICATIONS

The Toxicology Laboratory utilizes nitrogen gas at large volumes each day as detector make-up gas in chromatographs, as a drying gas in the ion sources of LC/MS/MS instruments and as a neutral gas to evaporate solvents from extracts without adding contamination or moisture. Depending on need, usage could range from 40,000 – 50,000 scf/month of nitrogen gas with a minimum delivery pressure of 100psig. Utilizing a Microbulk (450L) liquid nitrogen storage tank will be required to maintain supply.

This contract will include the following for the liquid nitrogen micro-bulk system:

a. The vendor will install the necessary micro-bulk storage tank, gas, lines, manifolds and regulators as necessary at no additional costs; including adapting as necessary to the buildings system.
b. The bulk storage tank should not exceed 500 liters in size and provide the necessary evaporators to optimize the gas formation more efficiently.
c. The vendor must provide communication equipment as part of the storage tank that allows them to remotely monitor the tank condition and volume of gas in storage so that they can schedule delivery of liquid nitrogen independent of laboratory.
d. The vendor will schedule routine liquid nitrogen delivery and tank maintenance as necessary.
e. Vendor will maintain and repair tank and manifold system as necessary at no additional cost,
f. The storage system must maintain a supply pressure of at least 100 psi of high purity nitrogen gas to the laboratory,
g. Storage system shall provide digital monitoring instruments to allow the laboratory to observe usage and volume of gas in storage,
h. Medical Examiner toxicology laboratory reserves the right to evaluate the quality of gas and service provided.
i. Must have prior experience selling and providing liquid nitrogen in micro-bulk quantity to remote sites using the Microbulk™ system.
j. Must have prior experience managing fixed liquid nitrogen tanks, including installation and maintenance.
k. Must have prior experience providing specialty gases, including nitrogen, to laboratory facilities for sensitive analytical instrumentation that includes gas chromatography and mass spectrometry.
l. Must be capable of remotely monitoring storage tanks to anticipate service and to schedule refills.
m. Must be able provide service on a scheduled and regular basis to provide an uninterrupted source of nitrogen gas to the laboratory.
n. Must be able to access the storage tank in the building to deliver liquid nitrogen refills as necessary.
o. Storage tank must be sufficiently insulated to minimize venting and gas waste.
p. Storage tank must be capable of delivering nitrogen at a minimum of 100 psi to the laboratory.
q. Storage tank must be able to fit in current space allocated for liquid nitrogen.
r. Vendor must be able to install tank in building space including hooking into gas lines in current space.
s. Delivery service should be scheduled to coincide with normal business hours for the department.
EQUIPMENT REQUIREMENTS

a. The vendor must provide tanks and valves warranted against defects, leaks and contamination
b. The vendor must deliver tanks with secured and protected valves free of excessive rust or indications of valve damage.
c. The vendor must deliver gases in properly labeled and identified tanks that have undergone proper hydrostatic testing and certifications.

CYLINDERS

Cylinders shall have the approved American National Standard Compressed Gas Cylinder Valve Outlet and Inlet Connections as specified in Section 1910 of the OSHA Regulations (Standards – 29 CFR) for each gas used. All valves must be functioning properly at the time of delivery.

In the event the cylinders do not meet the criteria, the Contactor will be responsible for the repair and/or replacement of the cylinders at no additional cost to the County.

Contactor is responsible for filling the cylinders to the maximum capacity allowable by the manufacturer. In the event an odd size cylinder not listed on the Bid Proposal Form needs to be refilled, the Contactor will charge the standard cost per cubic foot of the gas requested.

Cylinders that have exceeded their authorized service life shall be removed from County property by the Contactor and may be properly transported for reprocessing or disposal of the cylinder’s contents. Prior approval for cylinder removal shall be obtained from an authorized County representative.

CYLINDER EXCHANGE

Cylinders delivered for exchange shall be in compliance with all OSHA/DOT safety regulations and standards. Exchanged cylinders shall be unlabeled as to ownership.
Per Section 2, Paragraph 2.3 award of this contract will be made to the responsive, responsible vendors who meet the following minimum qualifications:

<table>
<thead>
<tr>
<th>Section 2 Special Conditions Paragraph 2.4 Submittal Requirements</th>
<th>Place check mark next to each documents provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bidder shall submit emergency contact information for 24-hour contact. The contact information shall include name, address, telephone number and/or e-mail address. Vendor must be able to assure 24 hour call-back to resolve order disputes and technical issues. (The vendor agrees by the submission of their bid to prioritize delivery to the Miami-Dade Medical Examiner Department.)</td>
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<td>If the bidder shall be utilizing a third party distributor or manufacturer as the source of supply for obtaining and delivering products and/or materials required in conjunction with this Solicitation, the bidder shall supply a copy of its agreement with the supplier with bid submission. The information contained in such agreement(s) shall include, but not be limited to shipping, delivery terms, packaging requirements, and product specification sheets for each type of gas or mixture of gas being offered in accordance with the best industry standards and practices.</td>
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<tr>
<td>The vendor must submit information on three (3) references to which the vendor has provided laboratory gases and equipment as identified in Section 3 - Technical Specifications. The information provided shall include the name, address, contact number and/or e-mail of the references.</td>
<td>☐</td>
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<tr>
<td>Vendor shall provide an on-line ordering system to place and check orders. Vendor is required to submit with their submittal information on how to access their on-line ordering system.</td>
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</table>
**Solicitation Title: Laboratory Gases for Miami-Dade County Medical Examiner Toxicology Laboratory**

<table>
<thead>
<tr>
<th>Solicitation No. FB-00678</th>
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<tbody>
<tr>
<td>Legal Company Name (include d/b/a if applicable):</td>
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<tr>
<td>If Corporation - Date Incorporated/Organized:</td>
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<tr>
<td>Company Operating Address:</td>
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<td>Remittance Address (if different from ordering address):</td>
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<tr>
<td>Company Contact Person:</td>
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<tr>
<td>Phone Number (include area code):</td>
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<tr>
<td>Fax Number (include area code):</td>
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<tr>
<td>Email Address:</td>
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<tr>
<td>Company’s Internet Web Address:</td>
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Pursuant to Miami-Dade County Ordinance 94-34, any individual, corporation, partnership, joint venture or other legal entity having an officer, director, or executive who has been convicted of a felony during the past ten (10) years shall disclose this information prior to entering into a contract with or receiving funding from the County.

- Place a check mark here only if the Bidder has such conviction to disclose to comply with this requirement.

**LOCAL PREFERENCE CERTIFICATION:** For the purpose of this certification, a “local business” is a business located within the limits of Miami-Dade County (or Broward County in accordance with the Interlocal Agreement between the two counties) that has a valid Local Business Tax Receipt, issued by Miami-Dade County; has a physical business address located within the limits of Miami-Dade County from which business is performed; and contributes to the economic development of the community in a verifiable and measurable way. This may include, but not be limited to, the retention and expansion of employment opportunities and the support and increase to the County’s tax base.

- Place a check mark here only if affirming the Bidder meets the requirements for Local Preference. Failure to complete this certification at this time (by checking the box above) may render the vendor ineligible for Local Preference.

**LOCALLY-HEADQUARTERED BUSINESS CERTIFICATION:** For the purpose of this certification, a “locally-headquartered business” is a Local Business whose “principal place of business” is in Miami-Dade County or Broward County in accordance with the Interlocal Agreement between the two counties.

- Place a check mark here only if affirming the Bidder meets requirements for the Locally-Headquartered Preference (LHP). Failure to complete this certification at this time (by checking the box) may render the vendor ineligible for the LHP.

The address of the Locally-headquartered office is:

**LOCAL CERTIFIED VETERAN BUSINESS ENTERPRISE CERTIFICATION:** A Local Certified Veteran Business Enterprise is a firm that is (a) a local business pursuant to Section 2-8.5 of the Code of Miami-Dade County and (b) prior to bid submission is certified by the State of Florida Department of Management Services as a veteran business enterprise pursuant to Section 295.187 of the Florida Statutes.

- Place a check mark here only if affirming the Bidder is a Local Certified Veteran Business Enterprise. A copy of the certification must be submitted with the bid.
**SMALL BUSINESS ENTERPRISE CONTRACT MEASURES (If Applicable)**

A Small Business Enterprise (SBE) must be certified by Small Business Development for the type of goods and/or services the Bidder provides in accordance with the applicable Commodity Code(s) for this Solicitation. For certification information contact Small Business Development at (305) 375-3111 or access http://www.miamidade.gov/smallbusiness/certification-programs.asp. The SBE must be certified by the solicition's submission deadline, at contract award, and for the duration of the contract to remain eligible for the preference. Firms that graduate from the SBE program during the contract may remain on the contract.

<table>
<thead>
<tr>
<th>Is your firm a Miami-Dade County Certified Small Business Enterprise?</th>
<th>Yes [ ] No [ ]</th>
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<tbody>
<tr>
<td>If yes, please provide your Certification Number:</td>
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**SCRUTINIZED COMPANIES WITH ACTIVITIES IN SUDAN LIST OR THE SCRUTINIZED COMPANIES WITH ACTIVITIES IN THE IRAN PETROLEUM ENERGY SECTOR LIST:**

By executing this bid through a duly authorized representative, the Bidder certifies that the Bidder is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, as those terms are used and defined in sections 287.135 and 215.473 of the Florida Statutes. In the event that the Bidder is unable to provide such certification but still seeks to be considered for award of this solicitation, the Bidder shall furnish the bid response package through a duly authorized representative and shall also initial this space: [ ]. In such event, the Bidder shall furnish together with its bid response a duly executed written explanation of the facts supporting any exception to the requirement for certification that it claims under Section 287.135 of the Florida Statutes. The Bidder agrees to cooperate fully with the County in any investigation undertaken by the County to determine whether the claimed exception would be applicable. The County shall have the right to terminate any contract resulting from this solicitation for default if the Bidder is found to have submitted a false certification or to have been placed on the Scrutinized Companies for Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

**IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR A PERIOD OF ONE HUNDRED AND EIGHTY (180) DAYS FROM DATE SOLICITATION IS DUE.**

**WAIVER OF CONFIDENTIALITY AND TRADE SECRET TREATMENT OF BID**

The Bidder acknowledges and agrees that the submittal of the Bid is governed by Florida’s Government in the Sunshine Laws and Public Records Laws as set forth in Florida Statutes Section 286.011 and Florida Statutes Chapter 119. As such, all material submitted as part of, or in support of, the bid will be available for public inspection after opening of bids and may be considered by the County or a selection committee in public.

By submitting a bid pursuant to this solicitation, you agree that all such materials may be considered to be public records. The Bidder shall not submit any information in response to this Solicitation which the Bidder considers to be a trade secret, proprietary or confidential.

In the event that the Bid contains a claim that all or a portion of the Bid submitted contains confidential, proprietary or trade secret information, the Bidder, by signing below, knowingly and expressly waives all claims made that the Bid, or any part thereof no matter how indicated, is confidential, proprietary or a trade secret and authorizes the County to release such information to the public for any reason.

**Acknowledgment of Waiver:**

<table>
<thead>
<tr>
<th>Bidder’s Authorized Representative’s Signature:</th>
<th>Date</th>
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</table>

**Type or Print Name**

**Type or Print Title**

**THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF THE BIDDER TO BE BOUND BY THE TERMS OF ITS OFFER. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED ABOVE BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID NON-RESPONSIVE. THE COUNTY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY RESPONSE THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER TO THE TERMS OF ITS OFFER.**

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<tr>
<th>Bidder’s Authorized Representative’s Signature:</th>
<th>Date</th>
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</table>

**Type or Print Name**

8/23/2017 5:32 AM
Type or Print Title
FAIR SUBCONTRACTING PRACTICES

In compliance with Miami-Dade County Code Section 2-8.8, the Bidder/Proposer shall submit with the proposal a detailed statement of its policies and procedures (use separate sheet if necessary) for awarding subcontractors.

☐ NO SUBCONTRACTORS WILL BE UTILIZED FOR THIS CONTRACT

__________________________  __________________________
Signature                  Date
In accordance with Sections 2-8.1, 2-8.8 and 10.34 of the Miami-Dade County Code, the form must be submitted as a condition of award by all Bidders/Proposers on County contracts for purchase of supplies, materials or services, including professional services which involve expenditures of $100,000 or more, and all Proposers on County or Public Health Trust construction contracts which involve expenditures of $100,000 or more. The Bidder/Proposer who is awarded this contract shall not change or substitute first tier subcontractors or direct suppliers or the portions of the contract work to be performed or materials to be supplied from those identified, except upon written approval of the County. The Bidder/Proposer should enter the word "NONE" under the appropriate heading of this form if no subcontractors or suppliers will be used on the contract and sign the form below.

In accordance with Ordinance No. 11-90, an entity contracting with the County shall report the race, gender and ethnic origin of the owners and employees of all first tier subcontractors/suppliers. In the event that the recommended Bidder/Proposer demonstrates to the County prior to award that the race, gender, and ethnic information is not reasonably available at that time, the Bidder/Proposer shall be obligated to exercise diligent efforts to obtain that information and provide the same to the County not later than ten (10) days after it becomes available and, in any event, prior to final payment under the contract.

(Please duplicate this form if additional space is needed.)

<table>
<thead>
<tr>
<th>Business Name and Address of First Tier Direct Supplier</th>
<th>Principal Owner</th>
<th>Materials/Supplies to be Provided by Supplier</th>
<th>Principal Owner</th>
<th>Employee(s)</th>
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<tr>
<th>Business Name and Address of First Tier Subcontractor/Subconsultant</th>
<th>Principal Owner</th>
<th>Scope of Work to be Performed by Subcontractor/Subconsultant</th>
<th>Principal Owner</th>
<th>Employee(s)</th>
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I certify that the representations contained in this Subcontractor/Supplier listing are to the best of my knowledge true and accurate.

Signature of Bidder/Proposer
Print Name
Print Title
Date

8/23/2017 5:32 AM

SUB 100 Rev. 1/14
ADDENDUM NO. 1

August 18, 2017

TO: ALL PROSPECTIVE BIDDERS/PROPOSERS

SUBJECT: SOLICITATION NO.: FB-00678

TITLE: Laboratory Gases for Miami-Dade Medical Examiner Toxicology Laboratory

This Addendum is and does become a part of the above mentioned solicitation.

The following is an amendment to the solicitation:

A. The solicitation in word format has been deleted and replaced with a Bid Packet in PDF format no other changes.

Miami-Dade County,

Martha Garofolo
Procurement Contracting Officer
ADDENDUM NO. 2

August 18, 2017

TO: ALL PROSPECTIVE BIDDERS/PROPOSERS

SUBJECT: SOLICITATION NO.: FB-00678

TITLE: Laboratory Gases for Miami-Dade Medical Examiner Toxicology Laboratory

This Addendum is and does become a part of the above mentioned solicitation.

The following is an amendment to the solicitation:

A. Section 2, Special Terms and Conditions Paragraph 2.6 Examination of site (Recommended) has been replaced with the following language:

**EXAMINATION OF SITE (RECOMMENDED)**

Prior to submitting its offer it is advisable that the vendor attend the scheduled site visit and become familiar with the services, specifications and any conditions which may in any manner affect the services to be done or affect the equipment, materials and labor required. No additional allowances will be made because of lack of knowledge of these conditions.

Site Visit Location, Date and Time:

Medical Examiner Department
1851 N.W. 10 Avenue
Miami, FL 33136

Date: August 22, 2017  Time: 10:30 a.m.

B. The following line item has been added to the solicitation:


Miami-Dade County,

[Signature]

Martha Garofolo
Procurement Contracting Officer
# Question and Answers for Solicitation #FB-00678 - Laboratory Gases for Miami-Dade County Medical Examiner Toxicology Laboratory

## Overall Solicitation Questions

### Question 1

Section 2.6: Examination of site
- View existing carts?
- What are the carts?
- Construct the carts? *(Submitted: Aug 18, 2017 1:41:27 PM EDT)*

**Answer**
- Refer to Addendum No. 2 *(Answered: Aug 18, 2017 3:27:31 PM EDT)*

### Question 2

There is no “place offer” available for the liquid nitrogen. *(Submitted: Aug 18, 2017 2:14:19 PM EDT)*

**Answer**
- Refer to Addendum No. 2 *(Answered: Aug 18, 2017 3:27:31 PM EDT)*

### Question 3

Nitrogen Microbulk pricing needs to have (2) price boxes:
1) for product in 100 cubic feet (not cubic feet)
2) for monthly rental

Thank you. *(Submitted: Aug 22, 2017 7:22:58 PM EDT)*