



INVITATION FOR BIDS
OFFICE OF PROCUREMENT & CONTRACTS

1. INSTRUCTIONS FOR BIDDERS

- a. Sealed bids will be received in the Office of Procurement & Contracts, Mississippi State University, for the purchase of the items listed herein.
- b. All bids must be received in the Office of Procurement & Contracts on or before the bid opening time and date listed herein. Delivery of bids must be during normal working hours, 8:00 a.m. to 5:00 p.m. CST, except on weekends and holidays when no delivery is possible.
- c. Bidders shall submit their bids either electronically, in Bully Buy, or in a sealed envelope. Bids CANNOT be emailed
 - a. Sealed bids should include the bid number on the face of the envelope as well as the bidders' name and address. Bids should be mailed to : 245 Barr Avenue, 610 McArthur Hall, Mississippi State, MS 39762.
- d. All questions regarding this bid should be directed to the Office of Procurement & Contracts at 662-325-2550.

2. TERMS AND CONDITIONS

- a. All bids should be bid "FOB Destination"
- b. Bidders must comply with all rules, regulations, and statutes relating to purchasing in the State of Mississippi, in addition to the requirements on this form. General Bid Terms and Conditions can be found here:
https://www.procurement.msstate.edu/procurement/bids/Bid_General_Terms_May_2019_V2.pdf
- c. Any contract resulting from this Invitation for Bid shall be in substantial compliance with Mississippi State University's Standard Contract Addendum:
<https://www.procurement.msstate.edu/contracts/standardaddendum.pdf>

Bid Number: MSU2025028

Opening Date: October 14, 2025

Description: Medical Gases and Tank Lease

Vendor Name: _____

Vendor Address: _____

Telephone Number: _____

Email Address: _____

Days the Offer is Firm: _____

Authorized Signature: _____

Name: _____

Title: _____

Item	Quantity	Description	Unit Price	Total Price
		Medical Gases. Place bid prices below.		

This will be awarded for one year starting upon the issuance of a contract or purchase order with the option to renew on an annual basis for an additional 4 one-year periods. Each vendor would need to explain how they would reach new pricing for each year of renewal.

We will award this bid based on the following criteria:

1. Purchase price of the gas.
2. Annual lease price of the cylinders and bulk/micro bulk tanks.

Below is a list of our needs.

- 1. 1,500 gallon bulk tank** to supply medical grade oxygen to our clinic. Current usage of this tank is around 1 million cubic feet per year.
 - a. Annual lease price for the 1,500 gallon tank. Be sure to include a telemetry system with this tank to notify the vendor when it is time to refill the tank.
 - b. Annual price to have a backup manifold with 12 each size 200 medical grade oxygen cylinders. Includes cost for the manifold and cylinders to supply it.

- c. Purchase price of oxygen gas per 100 cubic feet. Please give an estimate of what the average cost would be per tank fill up. Right now our tank is filled up roughly once per month at 100,000 cf per fill up.
 - d. Cost must include delivery and setup of the tank at 240 Wise Center Drive; Mississippi State, MS 39762.
- 2. **1,000 liter liquid nitrogen micro bulk tank** is what we currently have. Current usage of this tank is around 400,000 cubic feet per year. This tank services the clinic, and small liquid tanks are filled out of it. We are planning to use a 180 liter – 230 liter liquid dewar at a couple of locations around the building to eliminate the need of filling out of the micro bulk tank. We believe this is wasting product and doesn't make financial sense.
 - a. Annual lease price for the 1,000 liter tank. Be sure to include a telemetry system with this tank to notify the vendor when it is time to refill the tank.
 - b. Annual price to have a backup manifold with 6 each nitrogen size 300 cylinders. Includes cost for the manifold and tanks to supply it.
 - c. Purchase price of nitrogen gas per 100 cubic feet. Please give an estimate of what the average cost would be per tank fill up. Right now our tank is filled up roughly twice per month at 18,975 cf per fill up.
 - d. Cost must include delivery and setup of the tank at 240 Wise Center Drive; Mississippi State, MS 39762.
- 3. **Annual lease prices and gas purchase price per cylinder for all of our loose cylinder needs.** We currently have 4 types of loose cylinders in the building: HP (high pressure), LP (low pressure), SG (specialty gases), and LQ (liquid dewars). We must have the gas and cylinders listed below once the contract is signed with the awarded vendor. MSU will multiply the gas cost with the amount of cylinders needed to determine the price for this section unless the vendor states they'll provide the cylinder gas at no charge to begin the contract. Below is a list of the type of gas and cylinder that we currently have.
 - a. **High Pressure Cylinders**
 - 1 each - compressed breathing grade air – cylinder size 200
 - 1 each - argon #3 – cylinder size 300
 - 3 each – argon – cylinder size 80 pound
 - 27 each – Carbon Dioxide - cylinder size 50 pound
 - 3 each – carbon dioxide siphon – cylinder size 50 pound
 - 19 each – carbon dioxide usp – cylinder size 50 pound
 - 1 each – hydrogen – cylinder size 200
 - 13 each – Nitrogen CGA 580 – cylinder size 300
 - 1 each – oxygen – cylinder size 200
 - 2 each – oxygen – cylinder size 80 pound
 - 31 each – oxygen usp – cylinder size 200
 - b. **Low Pressure Cylinders**
 - 4 each - acetylene small – cylinder size 100
 - c. **Specialty Gases**
 - 1 each – Argon Ultra High Purity 99.999% - cylinder size 300

- 1 each – Helium Ultra High Purity 99.999% - cylinder size 300
- 1 each – Methane Research Grade 5.0 – cylinder size 300
- 5 each – Medical drug 5% CO₂, 95% Oxygen – cylinder size 200
- d. Liquid Dewars – Will consider 180 liter size and 230 liter sizes**
 - 2 each – 180 liter liquid nitrogen medical grade (High Pressure/230psi or higher)
 - 1 each – 230 liter liquid nitrogen (low pressure/22psi)

Service Locations:

- 1) College of Veterinary Medicine
240 Wise Center Drive
Mississippi State, MS 39762
- 2) Animal Emergency and Referral Center
1009 Treetops Blvd
Flowood, MS 39232

Bulk Oxygen Tank	
Tank and Gas Type	Price
Annual Lease Price for a 1500 gallon Bulk Tank - Medical Oxygen	
Annual Lease Price for a Telemetry System for Medical Oxygen Tank	
Annual Lease Price for a Backup Manifold with 12 tanks	
Total Oxygen Rental	
Price of Medical Oxygen Gas per 100 Cubic Feet	

Micro Bulk Nitrogen Tank	
Tank and Gas Type	Price
Annual Lease Price for a 1000 Liter Micro Bulk Tank - Liquid Nitrogen	
Annual Lease Price for a Telemetry System for Liquid Nitrogen Tank	
Annual Lease Price for a Backup Manifold with 6 tanks	
Total Nitrogen Rental	
Price of Liquid Nitrogen per 100 Cubic Feet	

Loose Cylinder Gas for HP, SG, LP, LQ		
HP Cylinders	Price of Gas per Cylinder	Annual Tank Lease per Cylinder
Compressed Breathing Grade Air - Size 200 Cylinder		
Argon #3 - Size 300 Cylinder		
Argon - Size 80 Pound Cylinder		
Carbon Dioxide - Size 50 Pound Cylinder		
Carbon Dioxide USP - size 50 pound cylinder		
Carbon Dioxide Siphon - Size 50 Pound Cylinder		
Hydrogen - Size 200 Cylinder		
Nitrogen CGA 580 - Size 300 Cylinder		
Oxygen - Size 200 Cylinder		
Oxygen - Size 80 Pound Cylinder		
Oxygen USP - Size 200 Cylinder		
LP Cylinders		
Acetylene Small - Size 100 Cylinder		
SG Cylinders		
Argon Ultra High Purity 99.999% - Size 300 Cylinder		
Helium Ultra High Purity 99.999% - Size 300 Cylinder		
Methane Research Grade 5.0 - Size 300 Cylinder		
Medical Drug 5% CO2, 95% Oxygen - Size 200 Cylinder		
LQ Cylinders		
180 Liter Liquid Nitrogen Medical Grade (High Pressure/230 psi or higher)		
230 Liter Liquid Nitrogen (Low Pressure/22psi)		
180 Liter Liquid Nitrogen (Low Pressure/22psi)		