



MISSISSIPPI STATE
UNIVERSITY™

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 or in a sealed envelope.
 - i. 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.
 - ii. At this time we only accept non-ITS bids electronically. For electronic submission of bids, go to: https://www.ms.gov/dfa/contract_bid_search and use the RFX number on the next page as your reference number.
- 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/RFX Number: 19-63/RFX #3160003120

Opening Date: September 17, 2019 @2:00 p.m.

**Description: Field-Deployable Imaging Flow Cytometer for
Phytoplankton Enumeration**

Vendor Name: _____

Vendor Address: _____

Telephone Number: _____

Days the Offer is Firm: _____

Authorized Signature: _____

Name: _____

Title: _____

Item	Quantity	Description	Unit Price	Total Price
1	1	Field-Deployable Imaging Flow Cytometer for Phytoplankton Enumeration as per attached specifications		

The Mississippi State University Geosystems Research Institute is requesting bids for a field-deployable imaging flow cytometer for phytoplankton enumeration. This system shall meet or exceed the following requirements:

- The image resolution should be at least 3.4 pixels/micron
- Should be able to image and detect suspended particles in the size range 10-150 μm (such as diatoms and dinoflagellates)
- The instrument should continuously sample at least at a rate of 15ml of water per hour
- The housing and fluidic components should be rated to 40 m depth.
- Extended unattended deployments (6 to 9 months) should be possible with automated operation capability including antifouling procedures and periodic standard analysis capability to monitor instrument performance
- Temperature rating should be up to 45°C
- Should not require more than 35 W of power
- Should not be more than 10 in in diameter
- Should not be more than 40 in longest dimension and mountable so that that axis is horizontal and in the direction of movement
- Should not weigh more than 32 kg in air
- Pump should be servo-driven syringe pump with at least 5ml capacity
- Flow rate should be 0.25 ml /min fixed rate
- Housing material should be aluminum with 6061-T6 hard coat anodized
- Should be able to communicate with 10/100/1000-BaseT Ethernet