

USM SSP 22_012 Notice of Proposed Sole Source Purchases of the following:

RFx: 3150004132

Component Upgrades for AFM System

Freight and Insurance

Installation and Training

http://www.ms.gov/dfa/contract_bid_search/Bid

Comments/objections will be received as required per Section 31-7-13 (C) of the Mississippi Code until 8:00 a.m. (Central Time) on March 17th, 2022.

Any person or entity that objects and proposes that the commodity listed is not sole source and can be provided by another person or entity shall submit written notice, by 8:00 AM CST, March 17th, 2022.

to:

Steve Ballew

Director of Procurement & Contracts 118 College Dr. Box 5003 Hattiesburg, MS 39406

bids@usm.edu

Phone: 601-266-4131

Subject Line must read "Sole Source Objection – USM SSP 22_012"

The notice shall contain a detailed explanation of why the commodity is not a sole source procurement. Appropriate documentation shall also be submitted if applicable.

If after a review of the submitted notice and documents, USM determines that the commodity in the proposed sole source request can be provided by another person or entity, then USM will withdraw the sole source request publication from the procurement portal website and submit the procurement of the commodity to an advertised competitive bid or selection process.

If USM determines after review that there is only one (1) source for the required commodity, then USM will appeal to the Public Procurement Review Board. USM will have the burden of proving that the commodity is only provided by one (1) source.

Run Dates:

03.02.22

03.09.22

The University of Southern Mississippi
Notice of Proposed Sole Source Purchase
SSP 22_012

The University of Southern Mississippi anticipates purchasing the item(s) listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

1. Description of the commodity that USM is seeking to procure:

NT-MDT, MP6LCNTF, Universal sealed liquid cell.

NT-MDT, BL_HD02, HybriDTM mode and controller.

NT-MDT, BTC04NTF, Thermo controller module.

Freight and Insurance

NT-MDT, INSTD2_A, Installation and training.

2. Explanation of why the commodity is the only one that meets the needs of the agency:

Dr. Song Guo's research lab purchased an NT-MDT Atomic Force Microscope in 2013 and upgraded it with scanning tunneling microscope function in 2014. In our current stage of research, we need new functionality at nanometer scale to meet our growing needs in studying various material system. With the proposed purchase we would like to fulfill our need of new research capabilities: (1) Universal sealed liquid cell. Flow-through possibility. Temperature range for liquid from -10°C up to +60°C, for air/gas from -30°C up to +120°C. Temperature stability -0,05°C. Sample positioning: range of sample positioning 1x1 mm (limited by membrane), positioning resolution 5 um. (2) HybriDTM mode. Fast Quantitative Nanomechanical Measurements and Force Volume. Simultaneous Electrostatic and Non-destructive Conductivity, Piezoresponse and Thermal Studies. measurements of Topography in Attractive and Repulsive regimes, Youngs modulus maps, maps of adhesion, deformation, built-in at least Hertz, JKR and DMT solid-state deformation models, conductivity, Piezoresponse Force Microscopy (PFM), compatible for work in air and liquids.

These components will be manufactured by the same vendor to assure the compatibility with our current AFM system. No other vendor can provide compatible components.

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3. Explanation of why the source is the only source is the only person or entity that can provide the required commodity:

NT-MDT America Inc. is selling the items. They are the only vendor that can manufacture compatible upgrades to our current AFM system.

4. Explanation of why the amount to be expended for the commodity is reasonable:

The total cost of the purchase order will be \$60,893. Purchasing another standalone AFM system with the proposed functions will be at least \$160,000 from other vendors, so this purchase is very reasonable by utilizing our current AFM system.

5. Efforts that the agency went through to obtain the best possible price for the commodity:

NT-MDT is the only vendor that sells compatible NT-MDT AFM equipment in US. After extended negotiations, a special discount of 25% was given.

Advertisement Schedule	Date
1st scheduled	3.02.22
2nd scheduled	3.09.22

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Steve Ballew

Director of Procurement & Contracts

steve.ballew@usm.edu

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