

Mississippi State University
Notice of Proposed Sole Source Purchase
245-85

Mississippi State University anticipates purchasing the items listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

1. Commodity or commodities to be purchased (make, model, description):

TSI, 1520, Flow Focusing Monodisperse Aerosol Generator (FMAG)

2. Explanation of the need to be fulfilled by this item(s), how is it unique from all other options, and why it is the only one that can meet the specific needs of the department:

TSI 1520

ICET has a need for a monodisperse aerosol generator with the ability to generate laboratory standard aerosols for the calibration of aerosol measurement instruments. These particles will need to generate at a known rate. These measurements rely on consistent generation of a specific particle size in order to ensure the accuracy of the measurements. The instrument must be able to produce droplets as well as both solid and liquid particles. A liquid droplet diameter of 15 to 90 μm ; $\pm 1.0\%$ and a particle diameter of 0.8 to 8.5 (solid) or 12 (liquid) μm ; $\pm 1.0\%$ are required. Geometrical standard deviations of less than 1.02 for droplets and 1.05 for liquid and solid particles are also required. The item must also contain a nonradioactive aerosol neutralizer. The unique technology of the FMAG will satisfy all of these requirements.

3. Name of company/individual selling the item and why that source is the only possible source that can provide the required item(s):

TSI is the only manufacturer of the FMAG.

4. Estimated cost of item(s) and an explanation why the amount to be expended is considered reasonable:

\$53,390. The FMAG is a Flow Focusing Monodisperse Aerosol Generator required for calibration of aerosol instruments. This cost includes calibration of the item.

5. Explanation of the efforts taken by the department to determine this is the only source and the efforts used to obtain the best possible price:

The department has done a literature review, internet searches, and reached out to vendors (TSI and others) to identify if alternative solutions were available. The FMAG aerosol generator is the only one that meets the requirements outlined above.

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 a written notice to:

Jennifer Mayfield, CPPO, CMPA
Director and Chief Procurement Officer

Procurement & Contracts
Mississippi State University

Jmayfield@procurement.msstate.edu

662-325-5539

Subject Line must read "Sole Source Objection"

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, MSU determines that the commodity in the proposed sole source request can be provided by another person or entity, then MSU 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 MSU determines after review that there is only one (1) source for the required commodity, then MSU will appeal to the Public Procurement Review Board. MSU will have the burden of proving that the commodity is only provided by one (1) source.