Proposed Sole Source Purchase Form

Pursuant to New Mexico Procurement law, the UNM Purchasing Department will post your completed form on the UNM Sunshine Portal for 30 days prior to purchase of the goods/services.

I. GENERAL INFORMATION. PLEASE PROVIDE THE FOLLOWING:

<table>
<thead>
<tr>
<th>Date of Request</th>
<th>8-7-2019</th>
<th>Requisition Number (If Applicable)</th>
</tr>
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<tbody>
<tr>
<td>Request Submitted by</td>
<td>Dr. Miriam Chavez</td>
<td>Title</td>
</tr>
<tr>
<td>Department</td>
<td>R2S2</td>
<td>Email <a href="mailto:mjchavez@unm.edu">mjchavez@unm.edu</a></td>
</tr>
<tr>
<td>Proposed Vendor</td>
<td>Nikon Metrology Inc.</td>
<td>Amount $118,573.00</td>
</tr>
<tr>
<td>Buyer Team - See Commodity list at <a href="http://purchase.unm.edu/staff-commodities.html">http://purchase.unm.edu/staff-commodities.html</a></td>
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Provide a basic description of goods/services to be provided:

JEOL JCM-7000LA Electron Microscope with EDS
Stage Navigation System
AUTOMATED SPUTTER COATER

Why is this purchase needed?

These supplies for the Undergraduate Research Lab will support Absolute Priority 2: Increase the number of Hispanic and other low-income students attaining degrees in STEM fields. The electron microscope will be used to support undergraduate research and to provide student experience with electron microscopy.

II. BASIS FOR SOLE SOURCE PROCUREMENT. CHOOSE APPLICABLE BOX(ES) AND PROVIDE ADDITIONAL INFORMATION, AS REQUESTED:

- [ ] Proprietary item, technology or service only available from the proposed vendor. (Check box and describe proprietary component)

This is the only available scanning electron microscope with a small footprint, Live EDS, Live 3D, Live EDS Mapping, Zero magnification setting for max FOV, Signal mixing, Image stitching, 3 vacuum settings – High vac, Low vac and charge reduction.

- [ ] Compatibility requirement with existing item, technology or service. (Check box and describe compatibility requirement)
III. **SUPPLEMENTAL DETAILS. PLEASE PROVIDE ADDITIONAL INFORMATION AS REQUESTED BELOW:**

Describe in detail the unique capabilities of the proposed vendor's goods/service and/or personnel performing the work and why this constitutes the *only* source. Focus on what is unique about the goods/service and why no other vendor could meet your needs.

The microscope that we intend to purchase is unique because it is a student microscope that has a small footprint that will fit within our limited laboratory space. It further has the capability to simultaneously identify the elemental composition of targets within the field of view by type and percentage. No other vendor could be identified that supplies a similar electron microscope.
Describe the due diligence made to locate other possible sources including communications with other universities, communications with similar providers, web searches, yellow page searches, review of advertisements and trade publications, etc.

An extensive web search was conducted in an effort to locate a microscope that would meet our needs. Electron microscope supplier Ted Pella Inc. was contacted via telephone. They indicated that the JEOL electron microscope was the only microscope available that would suit our needs.

List the other vendors who were contacted. Please describe the specs/qualifications/criteria that the other vendors were unable to satisfy.

N.A.