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>4/8/2019</th>
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<tbody>
<tr>
<td>Request Submitted by:</td>
<td>Osman Anderoglu</td>
</tr>
<tr>
<td>Department</td>
<td>Nuclear Engineering</td>
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<tr>
<td>Phone</td>
<td>277-0667</td>
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<tr>
<td>Proposed Vendor</td>
<td>Whiting</td>
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<tr>
<td>Amount</td>
<td>120,000</td>
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Provide a basic description of goods/services to be provided:

A Thermo Fisher Helios Nanolab 650 Dual beam machine valued at $400,000 will be purchased for $120,000 in cash and $280,000 in kind service.

Why is this purchase needed?

The dual beam machine will be used for specimen preparation for transmission electron microscopes to establish microstructure mechanical property evaluations on structural alloys. It will also be used for ion imaging to investigate the grain boundaries and precipitates. The instrument will also be used for micro-miniature tension compression experiments at high temperatures. These experiments can also be performed on radioactive specimens since the instrument will be placed in the UNM's NE lab where requester holds an NRC license to handle radioactive specimens.

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)

☐ Compatibility requirement with existing item, technology or service. (Check box and describe compatibility requirement)
☐ Renewal of support/maintenance/subscription of software, technology or other intellectual property. (Check box and describe)

☐ Other Basis for Sole Source: Please describe below:

The equipment is available for $400,000: cash ($120,000) + in-kind service valued at $280,000. This provides an opportunity to obtain a state of the art equipment that is significantly reduced in price due to current owner is looking for in-kind service. In addition, a used version of this equipment costs ~$600,000 if purchased directly from the original manufacturer (a quote is attached). This is a one of kind opportunity that is not available through any other vendor.

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.

Requester has been searching for an equipment for over 2 years. The cost has been the major issue. The proposed equipment is one of the best in its class. A new one will cost ~$1,000,000. The opportunity here is being able to obtain the equipment from the original owner who is not looking to sell the equipment for cash only. They want to get some service available to them for the next 5 years or so. As a result, we can own the equipment and use it for research and education while delivering the needs of the company. This serves the needs of both sides. Clearly, this is a unique situation and no other vendor could meet.
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.

The requester has been searching for a used machine for about 2 years. Several vendor quotes and communications with the vendors are available. Many used equipment are available from the website below. A similar but lesser model is ~$525K: https://www.tssmicroscopy.com/instruments/fei-nova-nanolab-600/

Note that Nanolab 650 is an upgraded model compared to one in the link. Furthermore, they are not looking for in-kind services...

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

Thermo Fisher, Tescan, Zeiss, Hitachi are the major manufacturers. None are looking for in-kind services and their prices are prohibitively expensive.