Application for Determination of Sole Source Procurement

This form, with one or more categories completed, must accompany a purchase requisition for equipment, supplies or services exceeding $20,000. Select the category or categories appropriate for this procurement. Attach all documentation necessary to support the application. Procurements of $20,000 and greater shall be posted to the NM Tech Purchasing website for the mandatory thirty (30) day period per NMSA 13-1-126.1

Requesting Department: NMBMMR
Proposed Contractor: Cameca
Product Description: Replacement Electronics Boards

End User’s Name: Lynn Heizler
Estimated Cost: 50K
Date: 7/12/19

I am requesting a sole source procurement based on the following reasons:

☑ Compatibility of existing equipment or supplies; provide details in Explanation. Include manufacturer, model number and NMT PCN of existing equipment.

☐ Item specifically required for use in conjunction with grant or contract. Attach applicable grant or contract page and provide justification of why it is required for grant / contract and why other substitutes are not acceptable.

☐ Requirement is of a proprietary / copyright / licensing nature which is explained below.

☐ The requested product has unique design / performance specifications or quality requirements which are essential to my work, research protocol or teaching needs, and are not available in comparable products. Please discuss this uniqueness / performance below.

☐ NMT Staff has specialized training and / or extensive experience. Retraining would incur substantial cost in money / time as explained below.

☐ I have contacted other suppliers or service providers identified below and have considered their product, however, their products / services are not acceptable because they are lacking one or more technical capabilities as discussed below.

☐ The requested product is essential in maintaining / continuing experiments. Other investigators have used this product in similar research and for comparability of results, I require it.

☑ Contractor is the sole manufacturer and sole distributor and has unique features / characteristics not available from other sources (provide explanation and attach applicable documents).

☐ Product is a prototype; contractor offers a trade-in allowance; availability of service, parts or maintenance as discussed below.

Explanation: Upgrade of obsolete electronics boards on existing Cameca SX100 Electron Microprobe (PCN 784782) with latest generation electronics boards.
*See attached memo for justification.

By signing below, requestor certifies that the information provided is accurate to the best of their knowledge.

Lynn Heizler
7/12/19

Date

For use by Purchasing:

Date application received in purchasing: 7/12/19
NMT Web Posting date: 7/12/19
Expiration date: 8/11/19

9/16
Memo: Justification for Sole Source Procurement of Replacement Electronics Boards for Cameca SX100 Electron Microprobe.

We recently received the following notification from Cameca regarding the pending obsolescence of the electronics boards on our Cameca SX100 electron microprobe.

_March 2019 Notification from Cameca:

I am writing to advise you that we are facing obsolescence of a number of boards from the first generation of SX 100 instruments. Up to now we have been able to repair these boards, however due to their vintage we are no longer able to source the parts to do so and as such inventories are dwindling. Remaining inventories will be reserved for users under gold/platinum service contracts.

New generation boards are available to replace these first generation boards. Experience has shown that mixing old and new boards leads to synchronization problems - the old boards simply can’t keep pace which causes the SX100 to freeze. Therefore in the event of a board failure it will be necessary to replace the full set of boards with those of the latest generation. We encourage you to plan and budget for this now so the instrument may remain productive in the event of a board failure.

The following boards are affected by the obsolescence:

<table>
<thead>
<tr>
<th>Old board</th>
<th>Replacement board</th>
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</thead>
<tbody>
<tr>
<td>0039245160 CIE control MO</td>
<td>0045637710 CIE ROHS CONTROLE MO</td>
</tr>
<tr>
<td>0039245494 CIE control spectro</td>
<td>0045637712 CIE ROHS CONTROLE SPECTRO</td>
</tr>
<tr>
<td>0039245066 CIE acquisition</td>
<td>0045633282 CIE INTERFACE VSBC</td>
</tr>
<tr>
<td>0039245064 CIE balayage</td>
<td>0045633318 CIE ROHS BALAYAGE</td>
</tr>
<tr>
<td>0039245068 CIE Visualisation</td>
<td>0045633324 CIE INTERCO VISU BAL</td>
</tr>
<tr>
<td>0000000821 Processor 68030</td>
<td>0045610722 ENS PROCESSEUR VSBC</td>
</tr>
</tbody>
</table>

In recent months we have been experiencing issues with intermittent failure of the spectrometer board on our Cameca SX100 electron microprobe. The symptoms have increased in frequency over the last month or so causing increasing loss of efficiency and down time. Due to the uncertainty of the lifespan of this board and to take advantage of a 10% discount offered by Cameca if we complete the upgrade by the end of 2019, we have decided to go ahead with the replacement. These boards are specific to our instrument and Cameca is the sole manufacturer/distributor.