

# NC STATE SURPLUS PROPERTY AGENCY BID CONTRACT

Director: Mickey Sauls      State Surplus Property Officer: Robert A. Riddle

**Bid # L12070**

**Bid Opening: 12/07/2010**

**@ 1:00PM**

**Location: NCSU Research Building 1, Raleigh**

<b>Material Science Lab Equipment</b>
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Bids will be publicly opened at the NC State Surplus Property Agency (SSPA) at the time and date specified.

By signature, I certify that all bidder information is accurate and I agree to the Instructions, and Terms and Conditions of the Sale, along with the Payment Terms as stated in this Bid Document. I have made myself familiar with the items I am placing a bid for, and I waive any claims against The State of North Carolina, State Surplus Property Agency, and NCSU, based upon any defects in the property I am placing a bid for. I agree to submit payment for all items I am awarded and that it is my responsibility to meet all deadlines for payment and or removal of said property.

**INSTRUCTIONS TO BIDDERS:**

- Type or clearly print all information on this Invitation for Bid.
- A Signature and Date must appear on the Invitation for Bid to be considered valid.
- Bids must be received at the (SSPA) Office prior to 1:00 PM on Bid Closing Date of 12/07/2010.
- Submit Bids in a Sealed Envelope with the Bid Number on the Outside of the Envelope.
- Bids Must be Delivered by Mail or In Person to the NC State Surplus Agency Office.
- All Pages of this Bid Document Must Be Returned.

**USPS Mailing Address for Bids**

1310 Mail Service Center  
Raleigh, NC 27699-1310

**UPS/Fed Ex Address for Delivery of Bids:**

6501 Chapel Hill Road  
Raleigh, NC 27607

**Phone Number:** (919) 854 – 2160

**Agency Website:** [www.ncstatesurplus.com](http://www.ncstatesurplus.com)

INDIVIDUAL and (if applicable) COMPANY NAME	
STREET ADDRESS:	
CITY & STATE & ZIP:	
TYPE OR PRINT NAME & TITLE OF PERSON SIGNING:	TELEPHONE NUMBER:

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## **Material Science Lab Equipment**

### **PROPERTY OFFERED FOR SALE:**

Lot of various Material Science lab equipment including; tube furnace system w/o sensor, ion-beam sputtering system, magnetron sputter system, ferroelectric tester, and related equipment. Equipment sold as one lot. Note that the processing equipment was used for the deposition of Pb-based compounds and toxic metals. Equipment is supplied ***as is – and has not been decontaminated***. NCSU bears no responsibility for any adverse effects related to these materials. There is no guarantee on any equipment being in working order. Age of equipment is not known, most date to the early 1990's. **The Minimum Bid Accepted will be \$12,500.**

**The equipment for sale in this bid is contaminated with several different Hazardous and Toxic lead compounds.** Since these lead compounds are known to be hazardous and toxic, they create a liability for the winning bidder and thus a responsibility to make sure that the winning bidder does not harm themselves or the environment because of their lack of expertise in handling these types of materials. As a result, **there is a requirement for this bid that the winning bidder have a verifiable record of being able to either remediate lead contamination or have a recent history of doing lead research at an Institution or Facility that has the ability to do lead remediation as part of their regular business.** A verifiable record is some type of previously published Article or Document that shows recent lead remediation as something that would be reasonable to assume that the contaminated materials will be handled properly. **Proof or Documentation must be submitted along with your bid.**

### **NOTE:**

Laboratory equipment may be sold with regulated or non-regulated amounts of materials. When hazardous materials are contained in a piece of equipment, all pertinent information related to types, amounts and any regulatory requirements shall be included in the item description when entered into the State Surplus Property System. If the equipment contains amounts that are not regulated by any federal, state, or local agency, the description of the equipment shall include the statement "Non-Regulated." These items shall be sold at the agencies location and not transported to the State Surplus Property Agency. The owning agency shall ensure all applicable laws and regulations are followed in the transport, sale or disposal of such items. If a potential buyer is required to be registered with any regulatory agency prior to taking possession of the equipment, the selling agency shall include all requirements in the description of the item and review and approve any required documentation presented by the successful bidder within 48 hours of the opening of the bids. (01 NCAC 43A .0202)

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## **Material Science Lab Equipment**

Items Include:

### **1. Tube furnace system w/o sensor**

Components:

Lindburg furnace - SN-899029

Lindburg controller - SN-899085

zirconia O sensor (w/multimeter readout)

MKS 1179A gas flowmeters (4)

MKS 247C flow controller - SN-10585-1

MKS 246 flow controller - SN-58626-2

NOTES: Tube contaminated with Pb compounds, PbO, and other toxic materials such as barium.

### **2. Ion-beam sputtering system**

vacuum chamber and frame (spherical main chamber)

equipment rack

turbo pump and rotary vane pump

vacuum gauges (ion gauge, convectron)

ion source and power supply

gas flow meters and controller

NOTE: Contamination with Pb and Ba compounds, as well as metals such as Ru. Kaufman sources and pumps are more than 20 years old. Carbon grids for the sources need to be replaced. Availability of replacements unknown.

### **3. Magnetron sputter system (8" conflat cross)**

4" DC magnetron source and complete vacuum system (one chamber, targets, alcatel turbo and mechanical pumps, pressure and flow gauges - missing one item-magnetron power supply)

Associated equipment in rack

NOTE: Turbo pump has experienced damage to the blades in the past.

### **4. Specialty Coating Systems 'P-6000' vacuum spinner**

Note: Contaminated with Pb-containing organometallics. Key components need replacement.

### **5. Ferroelectric tester**

RT-66A testing electronics (switch box; 386 comp. board)

HP33120A signal generator

GW' GOS-626G portable oscilloscope

probing box with two probes

NOTE: Software no longer maintained. Runs on 386 computer.

### **6. HP34401 programmable multimeter**

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**Material Science Lab Equipment**

**7. Equipment for powering PZT transducer**

PZT oscillator for AFM sample holder

PhilipsPM 5138 function generator

Matsuda HV amplifier

Tektronix oscilloscope

NOTE: Age of some instruments unknown.

**8. (2) Sorensen DCR 20-25B low V power supplies**

NOTE: Have not been recently tested; unknown functionality.

**9. Optical interferometer**

Melles-Groit He-Ne laser and power supply - SN-4441AJ

Optical box and components (lenses, splitters, etc)

NOTE: various optical components, not complete interferometer setup. Without optical bench.

**10. Ball roll-mill**

**11. Thermolyne 4-element hot plate and stirrer**

NOTE: some contamination with Pb, Ba, and other potentially hazardous substances.

**Bid Amount: \$\_\_\_\_\_**

AUTHORIZED SIGNATURE:	TITLE	DATE
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### **STANDARD TERMS AND CONDITIONS and INSTRUCTIONS TO BIDDERS:**

- 1. Read, review and comply:** It shall be the bidder's responsibility to read this entire document, review all enclosures and attachments, and comply with all requirements specified herein.
- 2. Notice to bidders:** All bids are subject to the provisions in the Instructions to Bidders, Special Terms and Conditions specific to this Invitation for Bid, and the North Carolina General Contract Terms and Conditions.
- 3. Bid modifications:** Modifications to this INVITATION FOR BID are not permitted by the bidder. The bidder is cautioned that the requirements of this bid cannot be altered and **verbal communications from whatever source are of no effect.**
- 4. Consideration of bid:** **All Bids must be received at State Surplus Property by 1:00 PM on the Bid Opening Date, for the bid to be considered valid, and must be Delivered Via Mail or Hand Delivered to State Surplus Property Agency, at above noted physical address.**
- 5. Acceptance of bid:** State Surplus Property Agency reserves the right to reject any and all bids and consider the bid invalid.
- 6. Time for consideration:** Unless otherwise indicated on the first page of this document, bidder's offer shall be valid for 15 days from the date of bid opening
- 7. Bidding guidelines**
  - **The Purchaser agrees to operate within all applicable Federal, State, and Local Laws.**
  - The Purchaser agrees to indemnify and hold harmless the Seller, its employees and agents against all personal injury or property damage that may arise from negligence or omission of the Purchaser or its employees and agents in the use of this property.

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### **PRE- BID INSPECTION:**

**Bidders are invited to and should inspect property of interest prior to submitting bids.** Reasonable opportunity will be afforded for inspection up to bid opening time, but the state will not furnish labor or materials for such purposes. The successful bidder is to assume all liability for the property after an award is made. **The State will exercise its usual care for protection up to the time of removal, but will not be held responsible for any loss or damage to the property after an award.**

### **BASIS OF AWARD**

**This bid will be awarded on the basis of highest price offered and the states determination of the purchaser's ability to meet the aforementioned requirements. The state reserves the right to reject any and all bids.**

### **ADDITIONAL INFORMATION TO BE SUBMITTED WITH THE BID**

- The requirements listed on page 2

**For Questions regarding this property contact Roger Russell at 919-515-2347**

**For Questions regarding the bidding process contact Karen Routh at 919-854-2240**