



MCNEESE STATE UNIVERSITY
LAKE CHARLES, LOUISIANA 70609

AN EQUAL OPPORTUNITY INSTITUTION
 PHONE: (337) 475-5087
 FAX: (337) 475-5082

REQUEST FOR BID

DATE	BID NUMBER
07/29/22	C2300021

PURCHASING CONTACT	PHONE	REQUEST NO.	DEPARTMENT	VENDOR I.D. NO.
Cheryl Bellard	337-475-5088	R2300312	Chief Information Tec	000029655

SEE STANDARD TERMS & CONDITIONS TO BIDDERS.
VENDOR MUST SIGN AND RETURN BID FORM TITLED "STANDARD TERMS & CONDITIONS TO BIDDERS" WITH BID RESPONSE TO BE CONSIDERED FOR BID AWARD.

VENDOR:

Return this bid to McNeese State University
 Purchasing Department, Smith Hall room 120.
 150 Lawton Dr., Lake Charles, LA 70605
 or MSU Box 92415, Lake Charles LA 70609

RESPONSE DUE 08/17/22 2:00 PM

No.	Quantity	Description	Unit	Unit Price	Extension
		Request for Sealed Bid (SB)			
		SEALED BID FOR EQUIPMENT FOR THE MCNEESE ENGINEERING DEPARTMENT PER SPECIFICATIONS . SEALED BIDS MUST BE RETURNED IN A SEALED ENVELOPE WITH THE BID NUMBER, DUE DATE AND TIME PRINTED ON THE OUTSIDE . IF BIDDING ON EQUAL PRODUCTS, PLEASE INCLUDE MANUFACTURER AND MODEL NUMBER FOR EACH ITEM .			
1	1.00	LINSEIS STA PT 1600 THERMAL ANALYZER INSTRUMENT OR EQUAL SIMULTANEOUS THERMAL BALANCE TG-DTA/DSC WITH WINDOWS SOFTWARE	EA		

Bid must be signed below. I hereby certify that the above bid prices will remain in effect until the goods are delivered if the order is placed within 30 days after bid opening date. Validity of this bid is dependent on the following information:

Delivery _____ days ARO/TERMS _____
 Phone () _____

All bids include prepaid delivery, F.O.B. to McNeese State University

THIS IS NOT A PURCHASE ORDER

TOTAL CONTINUED

Signature _____ Date _____



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RESPONSE DUE 08/17/22

No.	Quantity	Description	Unit	Unit Price	Extension
1		<p>Request for Sealed Bid (SB) (Continued...) TO INCLUDE INSTALLATION AND TRAINING ALSO INCLUDES L75/WCU CLOSED LOOP WATER COOLING UNIT BASIC INSTRUMENT WITHOUT BALANCE WITHOUT SENSOR</p> <p>MANUFACTURER: _____ . MODEL: _____ .</p>			
2	1.00	<p>LINSEIS L81/B2 RESEARCH BALANCE OR EQUAL RESOLUTION 0, 1ug UP TO 25g SAMPLE WEIGHT (INCLUDING MEASURING SYSTEM) MEASURING RANGE +/- 2500mg</p> <p>MANUFACTURER: _____ . MODEL: _____ .</p>	EA		

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VENDOR:

RESPONSE DUE 08/17/22

No.	Quantity	Description	Unit	Unit Price	Extension
2		Request for Sealed Bid (SB) (Continued...)			
3	1.00	LINSEIS L81/240C FURNACE SiC, OR EQUAL 1600deg C, INCLUDING POWER SUPPLY 24-001-000 MANUFACTURER: _____ . MODEL: _____	EA		
4	1.00	TG/DSC MEASURING SYSTEM TYPE S MANUFACTURER: _____ . MODEL: _____	EA		
5	1.00	LINSEIS L81/432/S, DTA MEASURING SYSTEM TYPE S OR EQUAL (RT to 1600degC) MANUFACTURER: _____	EA		

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VENDOR:

RESPONSE DUE 08/17/22

No.	Quantity	Description	Unit	Unit Price	Extension
5		Request for Sealed Bid (SB) (Continued...) MODEL: _____ .			
6	1.00	LINSEIS L40/2053/INT BUILT IN AUTOMATIC GAS CONTROL OR EQUAL FOR 3 GASES CONSISTING OF 4 SOFTWARE-CONTROLLED VALVES AND 3 ROTAMETERS FOR GAS DOSING (SOFTWARE CONTROLLED VALVES, MANUAL FLOWRATE SETTING) MANUFACTURER: _____ . MODEL: _____ .	EA		
7	1.00	SHIPPING (ESTIMATED) .	EA		

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STANDARD TERMS & CONDITIONS TO BIDDERS
FAX #337-475-5082

PROPOSALS: The proposal must be received by the Purchasing Department, McNeese State University, before the time set for receiving bids. Bids received after the time set will not be considered. Bidder shall assume full responsibility for timely delivery at location designated for receipt of bids. Prices must be clear and be written in ink or typewritten, and the ITB AND Terms & Conditions must be signed in ink. Be sure bid number and due date are clearly shown on outside of package or envelope. Please see return address on the face of the bid form.

STANDARDS OF QUALITY AND ANY ALTERNATE: Any product or service bid shall conform to all applicable Federal and State Laws and Regulations and the specifications contained in the solicitation. Unless otherwise specified in the solicitation, any manufacturer's name, trade name, brand name, or catalog number used in the specification is for the purpose of describing the standard of quality, performance, and characteristics desired and is not intended to limit or restrict competition. Bidder must specify the brand and model number of the product offered in his bid. Bids not specifying brand and model number shall be considered as offering the exact products specified in the solicitation.

When a Pre-Bid Conference is scheduled, no alternative will be considered unless the above conditions are complied with and the "Request for Approval of Alternate" form is completed and returned. This form will be attached when applicable. Only alternates which are approved and acknowledged by addendum following the Pre-Bid Conference will be considered for award at the bid opening. DO NOT SUBMIT BIDS ON UNAPPROVED ALTERNATES.

The burden of proof of the merit of the proposed substitute is upon the proposer. The Purchasing Director's decision of approval or rejection of a proposed substitute shall be final.

SAMPLES/DESCRIPTIVE LITERATURE: The envelope/package containing samples and/or descriptive literature submitted by mail for consideration at the Pre-Bid Conference must be labeled in accordance with the instructions given on the "Request for Approval of Alternate" form.

When requested, samples submitted will be returned at bidder's risk and expense provided they have not been made useless through tests.

PRICES: Unless otherwise specified by McNeese in the solicitation, bid prices must be complete, including transportation prepaid by bidder to destination and firm for acceptance for a minimum of 30 days. If accepted, prices must be firm for the contractual period. Bids other than F.O.B. destination may be rejected. Prices should be quoted in the unit (each, box, case, etc.) as specified in the solicitation.

BID OPENING: Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined within 72 hours after bid opening. Information pertaining to completed files may be secured by visiting McNeese during normal working hours. Written bid-tabulations will not be furnished.

AWARD OF BIDS: McNeese State University reserves the right to award items separately, grouped, or on an all-or-none basis, and to reject any or all bids and waive any informalities incident thereto.

DELIVERY FAILURE: If the vendor fails to make delivery within the time specified on bid documents or within a reasonable time if no delivery time is specified McNeese reserves the right to cancel the item and to purchase it elsewhere. Any increase in price and/or cost of handling will be charged to the vendor making the original unsatisfactory delivery. Consistent unsatisfactory deliveries will be considered just cause for deleting a vendor from bid lists.

TERMINATION OF THIS AGREEMENT FOR CAUSE/CONVENIENCE: McNeese may terminate this agreement for cause based upon the failure of Contractor to comply with the terms and/or conditions of the Agreement, or failure to fulfill its performance obligations pursuant to this agreement, provided that McNeese shall give the Contractor written notice specifying the Contractor's failure. If within thirty (30) days after receipt of such notice, the Contractor shall not have corrected such failure or, in the case of failure which cannot be corrected in thirty (30) days, begun in good faith to correct such failure and thereafter proceeded diligently to complete such correction, then McNeese may, at its option, place the Contractor in default and the Agreement shall terminate on the date specified in such notice.

The Contractor may exercise any rights available to it under Louisiana law to terminate for cause upon the failure of McNeese to comply with the terms and conditions of this agreement, provided the Contractor shall give McNeese written notice specifying McNeese's failure and a reasonable opportunity for McNeese to cure the defect.

McNeese may terminate the Contract at any time by giving thirty (30) days written notice to the Contractor of such termination or negotiating with the Contractor an effective date.

SOLICITATIONS FOR (MOST) GOODS, NOT SERVICES, INCLUDE THE LOUISIANA PRODUCT PREFERENCE AS STATED BELOW:
IN ACCORDANCE WITH LOUISIANA REVISED STATUTES 39:1604, A PREFERENCE MAY BE ALLOWED FOR PRODUCTS MANUFACTURED, PRODUCED, GROWN, OR ASSEMBLED IN LOUISIANA OF EQUAL QUALITY.

PREFERENCES SHALL NOT APPLY TO SERVICE CONTRACTS.

Do you claim this Preference? YES _____ NO _____

Specify Line Number(s): _____

Specify location within Louisiana where this product is manufactured, produced, grown or assembled: _____
NOTE: If more space is required, include on separate sheet.)

Do you have a Louisiana business workforce? YES _____ NO _____

If so, do you certify that at least fifty percent (50%) of your Louisiana business workforce is comprised of Louisiana residents? YES _____ NO _____

IN ACCORDANCE WITH L.R.S. 39:1594 (ACT 121), THE PERSON SIGNING THE BID MUST BE:

1. A current corporate officer, partnership member or other individual specifically authorized to submit a bid as reflected in the appropriate records on file with the Secretary of State; or
2. An individual authorized to bind the vendor as reflected by a corporate resolution, certificate or affidavit; or
3. Other documents indicating authority which are acceptable to the public entity.

By signing and returning this document (along with bid), you are certifying compliance with all Terms and Conditions set forth.

Signature & Company Name

Date

BID #C2300021 THERMAL ANALYZER SYSTEM
MCNEESE STATE ENGINEERING DEPARTMENT

Specifications

- STA instrument (simultaneous thermal analyzer) complete with soft- and hardware, incl. calibration standards and accessories
- Temperature range: RT up to 1600°C
- Atmosphere: inert, oxidizing, reducing, vacuum
- Vacuum: up to 10E-5mbar*
- Heating rate: 0,01 up to 50 K/min**
- Temperature resolution: ± 0,1°C
- Temperature accuracy: ± 0,3°C***
- Data evaluation rate: max. 10/s

TG – Thermogravimetric Analysis

• Model	L81/B1	L81/B2	L81/B3
• Resolution*:	0.025 µg	0.1 µg	0.1 µg
• Max. sample weight:	5 g	25 g	35 g
• Measuring range:	+/- 2500 mg	+/- 2500 mg	+/-2500 or 25000 mg

*resolution = minimum detectable signal

DSC - Differential Scanning Calorimeter

- DSC-sensors: E / K / S / B
- DSC resolution: 0,3 / 0,4 / 1 / 1,2 µW
- DSC-RMS-noise: 4 / 6 / 17,6 / 22,5 µW

DTA - Differential Thermal Analysis

- DTA-resolution: 0,03 nV
- DTA-measuring ranges: 250 / 2500 µV

System components

Hardware

- STA basic unit consisting of:
- Thermostatically controlled and vacuum tight balance
- Measuring system for TG- or STA (TG-DTA/DSC) - operation
- Vacuum tight protection tube made of Al₂O₃
- Automatic furnace lift
- Furnace with power supply
- USB/Ethernet connection to computer

Software

- Software package compatible with state-of-the-art Windows Software.
- all necessary measuring parameter are included in the menu structure
- individual user commentaries are possible
- heat up segments, cool down segments as well as dwell times are programmable
- repetition of the programmed cycles up to 99 times
- infinite programmable temperature segments
- different languages are available
- comprehensive evaluation software package with many functions
- ASCII Export
- Mathematical calculation of curves
- Statistical evaluation of curves with mean and confidence interval
- Print out of the results as curve or table
- Evaluation can be done simultaneously to an ongoing measurement
- Measuring data will be corrected through correction curve

WIN-TW

Software package for evaluation of TG measurements

- Mass change as % and mg
- Rate controlled mass loss
- Evaluation of mass loss

WIN-DSC/DTA

Software package for evaluation of DSC or DTA measurements

- | | |
|---|-----------------------------------|
| • Enthalpy | • Thermal stability |
| • Endo- / Exothermic phase transformation | • Oxidation stability |
| • Specific Heat | • Purity |
| • Melting point | • Solidus / Liquidus relationship |
| • Glass point | • Product identification |
| • Crystallinity | |

5/ Accessories and spare parts

- L81/CAL set of calibration substances (4 substances for ceramic crucibles (indium, lead, aluminum, gold))
Other calibration materials for platinum or gold crucibles are available
- 10 crucibles Al₂O₃ 0,12 ml (20007018)
- Installation and training