THE UNIVERSITY OF SOUTHERN MISSISSIPPI
Procurement and Contract Services
118 College Drive #5003, Hattiesburg, Mississippi  39406-0001

Date:            April 17, 2017

Bid No. 17-37

The UNIVERSITY OF SOUTHERN MISSISSIPPI is considering the purchase of the following item(s). We ask that you submit your bid and retain one copy for your files. Right is reserved to accept or reject any part of your bid. Your quotation will be given consideration if received in Bond Hall, Room 214 on or before: 2:00 p.m. CST

May 9, 2017

Buyer:__________________________

NOTE: If you cannot quote on the exact material shown, please indicate any exception giving brand name and complete specifications of any alternate. If additional space is required, use a separate sheet or letter of transmittal.

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<th>ITEM</th>
<th>QUANTITY</th>
<th>UNIT PRICE</th>
<th>TOTAL NET PRICE</th>
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<td>RFB 17-37</td>
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<td>Fatigue Tester with DMA Capabilities</td>
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We quote you as above-F.O.B. The University of Southern Mississippi. Shipment can be made in ________ days from receipt of order. DATE ______________  TERMS _____________________________________________

Return quotation to Procurement Services at above address.

Signature Required

AA/EOE/ADAI
GENERAL TERMS, CONDITIONS AND INSTRUCTIONS FOR BIDS/PROPOSALS

1.) Failure to examine any drawings, specifications, and instructions will be at bidder’s risk.

2.) Samples of items when called for must be furnished free of expense and if not destroyed in testing, will, upon request, be returned at the bidder’s expense. Request for the return of samples must be made within ten (10) days following opening bids. Each individual sample must be labeled with bidder’s name and manufacturer’s brand name and number.

3.) Bids must be signed and sealed with bidder’s name and address on the outside of the envelope, and the time and date of the bid opening and the bid file number shown in the lower-left corner of the packages; envelopes, express mailing labels, boxes, etc.

4.) In order for your bid to be considered, it must be received and time stamped in our office by 2:00 P.M. of the bid opening date. It is the responsibility of the vendor to ensure their bid is received within the appointed time. If your bid package is not received in Bond Hall, Room 214, by 2:00 P.M. of the bid opening date, it will not be considered.

If you are delivering your bid, you need to hand carry the bid package to:

The University of Southern Mississippi
Procurement Services
Bond Hall, Room 214
Hattiesburg, Mississippi

If you are mailing your bid package via U.S. Postal Service, mail to:

The University of Southern Mississippi
Procurement Services
118 College Drive #5003
Hattiesburg, MS 39406-0003

If you are express mailing your bid package via Federal Express or UPS, or any other delivery service which requires the use of a physical address, deliver to:

The University of Southern Mississippi
Receiving Department
2609 West 4th Street
Hattiesburg, MS 39401
5.) Bids or proposals shall not be modified, corrected, altered, or amended after the specified closing time and the opening of such bids, unless otherwise noted in the request for bids or proposals.

6.) The University of Southern Mississippi reserves the right to reject any and all bids, to waive any informality in bids, and unless otherwise specified by the bidders, to accept any items on the bid. If the bidder fails to state the time within which bids must be accepted, it is understood and agreed that The University of Southern Mississippi shall have 60 days to accept.

7.) Contracts and purchases will be made or entered into with the lowest, responsible bidder meeting specifications.

8.) A written purchase order or contract award mailed or otherwise furnished to the successful bidder within the time of acceptance specified in the Invitation for Bid results in a binding contract without further action by either party. The contract shall not be assignable by the vendor in whole or in part without the written consent of The University of Southern Mississippi.

9.) Bid files may be examined during normal working hours by bid participants. Non-participants will be prohibited from obtaining any information relative to the bid until the official award has been made.

10.) If purchase orders or contracts are canceled because of the awarded vendor’s failure to perform or request for price increase, that vendor shall be removed from our bidders’ list for a period of 24 months.

11.) No addendum will be issued within a period of two (2) working days prior to the time and date set for the bid opening. Should it become necessary to issue an addendum within the two-day period prior to the bid opening, the bid date will be reset giving bidders ample time to answer the addendum.

12.) Alternate bids, unless specifically requested or allowed, will not be considered.

13.) Bid openings will be conducted open to the public. However, they will serve only to open the bids. No discussion will be entered into with any vendor as to the quality or provisions of the specifications, and no award will be made either stated or implied at the bid opening. After the close of the bid opening meeting, the bids will be considered to be in the evaluation process and will not be available for review by bidders. Proposal openings are not required to be open to the public; however, the resulting award is open for public inspection.

14.) Prices quoted shall be firm for the term of the contract or for the stated time of acceptance.
15.) The bidder understands that The University of Southern Mississippi is an equal opportunity employer and, therefore, maintains a policy which prohibits unlawful discrimination based on race, color, creed, sex, age, national origin, physical handicap, disability, or any other such discrimination; and the bidder, by signing this bid, agrees during the term of agreement that the bidder will strictly adhere to this policy in its employment practices and provision of products or services.

16.) Bidders must upon request of The University of Southern Mississippi furnish satisfactory evidence of their ability to furnish products or services in accordance with the terms and conditions of these specifications. The University of Southern Mississippi reserves the right to make the final determination as to the bidder’s ability.

17.) Questions or problems arising from bid procedures should be directed to the Buyer listed on the solicitation at:

The University of Southern Mississippi
118 College Drive #5003
Hattiesburg, MS 39406-0001
Phone: (601) 266-4131

18.) All items must equal or exceed the specifications listed. The absence of detail specifications or the omission of detail description shall be recognized as meaning that only the best commercial practices are to prevail and that only first quality materials and workmanship are to be used.

19.) It is the intent of the specifications to obtain a product that will adequately meet the needs of the user while promoting the greatest extent of competition that is practicable. It is the responsibility of the prospective bidder to review the entire Invitation to Bid packet and to notify The University of Southern Mississippi if the Specifications, Instructions, General, or Special Conditions are formulated in a manner which would unnecessarily restrict competition.

20.) It shall be incumbent upon the bidders to understand the specifications. Any requests for clarifications shall be in writing and shall be submitted to our Procurement Services office at least five (5) days prior to the time and date set for the bid opening, unless otherwise noted in the bid or proposal specifications.

21.) The minimum specifications are used to set a standard and in no case are used with the intention to discriminate against any manufacturer. Bidders should note the name and the manufacturer and model number of the product they propose to furnish and submit descriptive literature.

22.) Trade names, brand names, and/or manufacturer’s information used in these specifications are for the purpose of establishing quality, unless otherwise noted. Bids on products of other qualified manufacturers are acceptable, provided they are demonstrated as equal to those specified in construction, design and suitability. Each bidder shall
submit with his bid a complete brochure with pictures on each item and shall point out specifically any deviations from the specified items. Failure to do so may disqualify any bid. Please bid as specified or an approved equal.

23.) A copy of the manufacturer’s standard guarantee/warranty shall accompany and become a part of this bid.

24.) There are no federal or state laws that prohibit bidders from submitting a bid lower than a price or bid given to the U.S. Government. Bidders may bid lower than U.S. Government contract price without any liability as The University of Southern Mississippi is exempt from the provisions of the Robinson-Patman Act and other related laws. In addition, the U.S. Government has no provisions in any of its purchasing arrangements with bidders whereby a lower price to The University of Southern Mississippi must automatically be given to the U.S. Government.

25.) All invoices, unless noted otherwise, are to be billed to:

    The University of Southern Mississippi
    Accounts Payable
    118 College Drive #5104
    Hattiesburg, MS 39406-0001

26.) All equipment bid shall be of current production and of the latest design and construction.

27.) Where all, or part(s), of the bid is requested on a unit price basis, both the unit prices and the extension of the unit prices constitute a basis of determining the lowest responsible and responsive bidder. In cases of error in the extension of price, the unit price will govern.

28.) Should the University of Southern Mississippi close due to inclement weather conditions, or any other unforeseen events on the bid opening date, sealed bids will open the following business day at the same time and location.

AA/EOE/ADA1
The University of Southern Mississippi

Request for Bid #17-37

Fatigue Tester with DMA Capabilities

**Performance**
- Multi-billion maintenance-free cycles
- 3,000 N maximum dynamic force capacity with capability of lower force testing less than 1N on fragile, small or soft samples
- Up to 1.4 m/s linear velocity (low range impact testing)
- Capable of reading over 50G peak acceleration during controlled waveforms such as a cyclic sine
- Capable of achieving 10mm Peak-to-Peak displacement during a 50Hz sine cyclic test
- Up to 100 Hz cyclic performance for dynamic characterization and fatigue testing of biomaterials and tissues

**Mechanical**
- Torsion actuator providing ±24 Nm of torque and ±7200° of rotation. High torque actuator also available to provide ± 49 Nm of torque
- All-electric, frictionless, bearing-free actuator, which leads to superior waveform fidelity and control, in a table-top load frame
- Extended Stroke (ES) actuator provides additional 150 mm of displacement capability and can be used for sample positioning, pull-to-failure testing, or cyclic creep tests with high strain materials.
- Integrated air bearing to provide side load resistance without added friction or durability from contact bearings such as roller ball bearings or mechanical bushings
- Calibrated displacement accuracy of ± 5 μm with 1 nm resolution with the High Accuracy Displacement Sensor (HADS)
- Load cells are calibrated to ASTM E4 standards.
- Load cell independent acceleration compensation to reduce acceleration induced force effects when the load cell is mounted to the actuator.
- Electric lifts to easily raise and lower the crosshead
- Floor-standing base – facilitates easier upgrade when adding the Extended Stroke or Torsion actuators

**Accessories**
- Hot-cold chambers offer a temperature controlled environment that ranges from -150°C to +350°C.
- **Dynamic Mechanical Analysis** application software for dynamic characterization of viscoelastic material properties
  - Testing frequency up to 75 Hz
  - Automatically steps through user-established force and frequency commands
  - Provides both raw data and real-time calculated mechanical characteristics including complex modulus, storage modulus, loss modulus, and tan delta
  - Internal software for analysis, plotting, overlay, and user calculations, including advanced analysis such as Time Temperature Superposition (TTS).
- A variety of grips and fixtures for testing such as bending, tension, compression, and torsion
- Low-force conversion – method to readily reduce peak force from 3,000 N to 1000 N and improves overall low force control performance and measurement of the test instrument for compliant materials.
- External waveform application software supports importation of custom waveforms for tests in which a non-standard or more complex drive function is required.
- Dynamic Link Library file enable provide commands and interface to use third-party software programs such as LabView, Matlab, and Visual Basic, to create customer-written programs

**Customer Support**
- 10-year warranty on the ElectroForce linear motor
- On-site installation and training of all purchased systems and accessories
- A full year warranty on all test instruments
- Free lifetime technical phone support
- Free periodic online training sessions for new or existing users of the equipment
- Application Expertise- Industry-leading assistance from applications specialists