

# INVITATION FOR BIDS

Bidders must comply with all rules, regulations and statutes relating to purchasing in the State of Mississippi in addition to the requirements of this form.

THIS IS NOT AN  
ORDER

Sealed bids will be received in the Office of Procurement and Contracts, Mississippi State University, Mississippi State, Mississippi for the purchase of items listed below. All bids must be received in the Office of Procurement and Contracts before the bid opening time given below. Delivery of bids must be during normal MSU working hours. These are 8:00 a.m. to 5:00 p.m. CST/CDT, except for weekends and holidays when no delivery is possible. Additional Bidding Requirements and Terms and Conditions are contained in Attachment 1, entitled GENERAL CONDITIONS, to this P-4 form, which requirements, terms, and conditions are incorporated herein by reference. MSU SPECIAL CONDITIONS, if any, are attached here to as Attachment 2 and incorporated herein by reference.

## PROCUREMENT & CONTRACTS

Bid File No: 18-89

P.O. Box 5307

Mississippi State, MS 39762

PLEASE MAIL IN WINDOW ENVELOPE  
OR ADDRESS AS INDICATED AT LEFT

BID OPENING DATE AND TIME:

September 18, 2018 @ 2:00 p.m.

ITEM	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1		<p>DYNAMIC MECHANICAL ANALYZER DEMONSTRATION SYSTEM AS PER ATTACHED SPECIFICATIONS</p> <p>RFX - 3160002487</p> <p>BIDDERS SHALL SUBMIT THEIR BIDS, EITHER, IN A SEALED ENVELOPE OR ELECTRONICALLY. SEALED BIDS SHALL INCLUDE THE BID NUMBER ON THE FACE OF THE ENVELOPE, AS WELL AS THE NAME OF THE BIDDER. FOR ELECTRONIC BIDS, THE BIDDER SHALL GO TO THE FOLLOWING SITE; <a href="https://www.ms.gov/dfa/contract_bid_search">https:// www.ms.gov/dfa/contract_bid_search</a></p> <p><b>ALL QUESTIONS REGARDING THIS BID SHOULD BE DIRECTED TO THE OFFICE OF PROCUREMENT AND CONTRACTS AT 662-325-2550</b></p> <p><b>When using a delivery service or hand delivering, the address is: 245 Barr Avenue, 610 McArthur Hall, Mississippi State, MS 39762</b></p>	\$ _____	\$ _____
Vendor Name and Address		Authorized Signature	Terms	
		Print Name	Please Bid FOB Destination	
Telephone No:		Company Bid No.	Method of Shipment	
Date:		Offer Firm for _____ days	Delivery can be made in _____ Days	

## **1. Main Primary Feature/functionality Requirements:**

- 1) Must utilize the separate actuator and transducer to independently apply the deformation and measure the force, thus eliminating inertia effects from the actuator and provides superior amplitude and phase angle measurements.
- 2) Must utilize a heavy stiff steel frame to minimize the deformation of the instrument itself. The gap or length measurement must be always corrected by the instrument's compliance.
- 3) Must utilize a forced air convection oven to provide the most uniform and the fastest temperature control. The programmable heating / cooling rate must reach 60°C/min, and the ballistic rate can reach more than 300°C/min. A view window with built-in light must be standard with the oven to view the sample, and an optional camera must be available to monitor in real-time and capture sample images during the measurement. The image of the sample can be saved with the data for later replay and used for data validation.
- 4) The waveform & Lissajous of each data point must be displayed in real time and saved with each data point for data validation.
- 5) Must have a high speed data acquisition capability up to 15000Hz (recording waveform @ 15000pts/sec which is used for correlation) in oscillation measurements and 8000Hz (8000 points/sec) in other measurements to provide enough data points for Large Amplitude Oscillation and Fourier Transform Rheology.
- 6) Must have the capability to conduct multiple frequency waves up to 15 frequencies (multiwave with user-defined amplitude and phase offset) and arbitrary wave (user-defined equations such as triangular, square and pulse shapes).
- 7) Must have the capability to perform not only constant force / stress / strain, constant linear speed but also Hencky strain rate measurements. Constant force / stress / strain with temperature ramp must be available.
- 8) Higher harmonic analysis up to the 9<sup>th</sup> amplitude and phase must come standard with the operation software. An optional Fourier transformation Rheology software package must be available to further analyze non-linear Rheology data if desired.
- 9) Optional Dielectric analyzer accessory must be available to provide a simultaneous measurement with any mechanical test mode, and can also be used as a stand-alone dielectric analyzer.
- 10) An easy to use immersion tool must be available to perform immersion measurements in tensile, compression and bending with a wide range of temperature control.
- 11) User must have the ability to regularly calibrate the force and phase angle.

12) Analog outputs of strain and force must be available for user special purpose.

## 2. Main component requirements:

- 1) **Actuator:** must be a direct drive, DC servo-motor that applies strain, strain rate and stress.
  - Oscillation amplitude range: 50nm to 1.5mm with 1nm resolution
  - Frequency range: 1e-5 to 100Hz with 99.9% accuracy
- 2) **Transducer:** must be force rebalance mechanism (non-compliant) to minimize the deformation of the transducer itself.
  - Force range: 0.05 to 3500 grams (0.0005 to 35N) with 0.001 gram resolution. Force linearity must be better than 0.1% with a hysteresis of less than 0.01% of full scale. Transducer's temperature drift over whole temperature range must be less than 0.002/°C.
- 3) **Stepper motor:** A highly precise encoder must be used to measure the gap travel independently of the gap control mechanism.
  - Linear velocity range: 0.0001 to 30 mm/sec with the minimum step of 10nm.
  - Travel distance: > 150mm
- 4) **Temperature Control System:** must be a true forced air convection oven utilizing two heater guns (upper and lower) with counter-rotating air flow to generate highly uniform temperature distribution and stability.
  - Temperature range: -150 to 600°C with 0.1°C stability
  - Maximum heating / cooling rate: 60°C/min with the ballistic rate more than 300C/min
  - Temperature must be extendable to -150°C using liquid nitrogen or -100°C with a mechanical air chiller
  - The oven must feature a sight-glass port to view the sample, and an optional camera to monitor the sample in real-time and the image can be displayed and saved in the software.

## 3. Test geometry requirements:

All geometries must be made of stainless steel with the maximum stiffness. The following geometries must be available for a variety of material testing.

- 3 point-bending with different frame sizes
- Fiber / Film

- Compression Parallel Plates with different diameters
- Single and Dual cantilever with different frame sizes
- Sandwich shear with different thicknesses
- Immersion available with fiber/film, compression and bending

## 4. Test mode requirements

The following test modes and their combinations must be available:

- Oscillation: Frequency sweep, temperature sweep, time sweep, amplitude sweep, temperature ramp, multiwave (Time, temperature ramp and step), fast data sampling, cycle sweep
- Step (transient): creep recovery (constant stress), stress relaxation (step strain), Sine strain
- Others: constant force / stress, constant rate, hencky strain rate, arbitrary wave, temperature ramp iso-force/stress, temperature ramp iso-strain

## 5. Axial force control (auto-tension) requirements

To perform a good DMA test, the axial force control to keep the sample in a proper state (non-bulking, not over-stretched or over-compressed) is a key control process over the whole measurement. The following features of axial force control must be available.

- Constant force
- Force tracking (keep the same ratio of static force over dynamic force)
- Conditional triggering ("Mouse trap"; once the axial force reaches the set value, the axial force control becomes active)
- Programmed extension when modulus below the setting value (using instrument measured thermal expansion coefficient or user supplied coefficient to continue axial direction movement)
- Precisely move the stage to compensate the thermal expansion for both geometry and sample.

## 6. Software requirements

Software specifications: The Instrument Operation and Analysis software must conform to the industry standard Microsoft Windows operation system. The instrument operation and basic analysis software must be Windows 7, 8, 10 Ultimate, Enterprise or Professional applications. Software must be capable of multitasking, and operating multiple instruments from a single workstation. Software must comply with the following:

- The PC must communicate via internet protocol with the Test instrument electronics.

- The software must offer ability to automatically update both instrument software and firmware through the Internet using an update routine. The software must be able to automatically look for updates and inform user when available.
- All raw data or instrument parameters must be accessible at any time.
- The software must make use of Windows conventions and features such as long file names.
- The software must include image capture and streaming video capability that can be interfaced with a web camera through computer USB connection.
- Ability to run the instrument and perform other tasks simultaneously such as data analysis, Microsoft Word, or Microsoft Excel.
- Software must also feature true 'cut-and-paste' functionality with common Windows applications such as MSWord, MSEXcel and Lotus. In addition, data export into MSEXcel/ASCII and XML format must be a standard feature of the software.
- The data analysis package must have the ability to run on any computer within the customer's organization without the use of a hardware key. This allows the user to make full use of the data analysis capability remote from computer that runs the instrument.
- Data analysis options must include the following curve modeling or analysis /transformation functions:
  - ✓ Mathematical model: straight line, onset point, modulus crossover, first and second derivative, integration, Polynomial, exponential, sine/cosine, Fourier series,
  - ✓ Flow: Newtonian, Casson, Bingham, Herschel-Buckley, Power Law, Sisko, Cross, Williamson, Ellis, Carreau, Best fit Polynomial.
  - ✓ Creep: discrete and Continuous retardation spectrum, Burger model.
  - ✓ Oscillation: Discrete and continuous relaxation spectrum, Spriggs, Oldroyd and Coz-Merz
  - ✓ Stress relaxation: Discrete and continuous relaxation spectrum
  - ✓ User defined model
  - ✓ Software must include transformations software of  $G'$ ,  $G''$ ,  $G(t)$ ,  $J'$ ,  $J''$ ,  $J$ .
  - ✓ Time-Temperature Superposition, with automatic horizontal and vertical shift. Automatically generates master curves. After fitting with WLF or Arrhenius, curves can be generated for any temperature within the range tested. Shift parameters in the scalar database other than temperature can be chosen. Shifting direction (horizontal, diagonal) can be set for the selected curves. Time/Temp Superposition capability must be built into the software package and not a third party program.
  - ✓ The base software package must also include statistical analysis (column and page based) including error bar generation and data (point) editing, FFT and spline smoothing, and data reduction and page merge functions.
  - ✓ Fluid inertia corrections will be included in the software, as well as Berger's/Rabinowitch's correction.
  - ✓ Automatic determination of rheological parameters such as Zero Shear Viscosity, Plateau Modulus, Equilibrium Compliance, and Flow Activation Energy and savings in the scalar database
  - ✓ Advanced Mw and MWD calculations based on Double Reptation theory must be available.
- Advanced Analysis Modules: In addition to the standard rheological testing platform, the instrument must be capable of accepting the following modules to provide enhanced materials characterization functions:
  - ✓ Dielectric Thermal Analysis, DETA

✓ Fourier Transformation Rheology Analysis Package:

- Sample the raw stress and strain data using SineStrain or Transient data collection in oscillation test modes
- Conversion of temporal data to frequency data (DFT)
- Extraction of the odd harmonics and calculation of Fourier and Chebyshev polynomial coefficients
- Ability to recast the results as a function of the sweep parameter used ( $\omega$ ,  $\gamma$ ,...)
- Calculation of non-linear parameters ( $G'_M$ ,  $G'_L$ ,  $\eta'_M$ ,  $\eta'_L$ ,  $S$ ,  $T$ ,  $Q$ )
- Reconstruct temporal data. Recalculates from the odd harmonics total stress, viscous and elastic stress.

## ATTACHMENT 1

### GENERAL CONDITIONS (MSU September 2007 Edition)

Bidders must comply with all rules, regulations and statutes relating to purchasing in the State of Mississippi in addition to the requirements of this form.

**ALL BIDS SUBMITTED MUST BE IN COMPLIANCE WITH THE GENERAL CONDITIONS SET FORTH HEREIN. ALL VENDORS ARE OBLIGATED TO READ, UNDERSTAND, AND AGREE TO THESE CONDITIONS WHEN SUBMITTING A BID FOR A BID TO BE CONSIDERED RESPONSIVE.**

#### 1. PREPARATION OF BIDS

- 1.1 Failure to examine any drawings, specifications, and instructions will be at bidder's risk.
- 1.2 All prices and notations must be printed in ink or typewritten. No erasures permitted. Errors may be crossed out and corrections printed in ink or typewritten adjacent, and must be initialed in ink by person signing bid.
- 1.3 Pricing must be quoted on a "per unit" basis, extended as indicated. Any trade discounts included must be itemized and deducted from extended prices. Bidder guarantees product or service offered will meet or exceed specifications included as part of this Invitation for Bid. Bid prices must be net. In case of error in the extension of prices in the bid, the unit price will govern. No bid shall be altered or amended after the specified time for opening bids.
- 1.4 Brand Names: Any reference to brand names and numbers in the Invitation for Bids is descriptive, but not restrictive, unless otherwise specified. Bids on equivalent items meeting the standards of quality thereby indicated will be considered, unless otherwise specified, providing the bid clearly describes the article offered and how it differs from the referenced brands. If equipment or supplies of another brand or of other construction than that specified herein is offered by bidder, such bidder shall set forth in his bid a detailed statement indicating wherein each item offered deviates from these specifications. Unless the bidder specifies otherwise in his bid, it is understood that the bidder is offering a referenced brand item as specified in the Invitation for Bids. Mississippi State University reserves the right to determine whether a substitute offer is equivalent to and meets the standard of quality indicated by the brand name referenced, and Mississippi State University may require a bidder offering a substitute to supply additional descriptive material and a sample. When merchandise received from a successful bidder is not considered an equal by the requisitioner, it will be returned to the vendor, shipping charges collect.
- 1.5 Specification: It is understood that reference to available specifications shall be sufficient to make the terms of such specifications binding on the contractor.
- 1.6 Information and Descriptive Literature: Bidders must furnish all information requested in the spaces provided on the bid form. Further, as may be applicable, each bidder must submit for bid evaluation cuts, sketches, and descriptive literature and technical specifications covering the product offered. Reference to literature submitted with a previous bid or on file with the buyer will not satisfy this provision.
- 1.7 Samples: 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, manufacturer's brand name and number, bid number and item reference.
- 1.8 Time of performance: The number of calendar days in which delivery will be made after receipt of order shall be stated in the bid. Bid should show number of days required to place material in receiving agency's designated location under normal conditions. Failure to state delivery time obligates supplier to complete delivery in 14 calendar days. Unrealistically short or long delivery promises may cause bid to be disregarded. If delay is foreseen, supplier shall give written notice to MSU. MSU has the right to extend delivery date if reasons appear valid to MSU. Default in promised delivery (without accepted reasons) or failure to meet specifications authorizes MSU to purchase supplies elsewhere and charge full increase, if any, in cost and handling to defaulting supplier. No substitutions or cancellation permitted without written approval of the MSU DEPARTMENT OF PROCUREMENT AND CONTRACTS. Delivery shall be made during normal working hours only, unless prior approval for late delivery has been obtained from MSU.

#### 2. SUBMISSION OF BIDS

- 2.1 Bids must be signed and sealed with bidder's name and address on outside of envelope, and the time and date of the bid opening and the bid file number shown in the lower-left corner of the envelope.
- 2.2 Bids and modifications or corrections thereof received after the closing time specified will not be considered.
- 2.3 Only bids submitted on bid forms furnished by Mississippi State University or copies thereof will be considered. Name of person executing bid must be in longhand.
- 2.4 Bids shall be submitted F.O.B. destination. Bids not submitted F.O.B. destination will not be considered. We do not accept fax bids.

#### 3. ACCEPTANCE OF BIDS

MSU reserves the right to accept or reject all or any part of any bid, waive minor technicalities and award the bid to best serve the interests of the State. If a bidder fails to state the time within which a bid must be accepted, Mississippi State University shall have 60 days from bid opening date to accept.

**4. DISCOUNT PERIOD**

Time in connection with discount offered will be computed from date of delivery at destination, or from the date correct invoices are received, if the latter date is later than the date of delivery. Cash discounts will not be considered in the award process.

**5. AWARD**

5.1 A response to an IFB is an offer to contract with MSU based upon the terms, conditions and specifications contained in the IFB. Bids do not become contracts until they are accepted and an authorized purchase order is issued. The contract shall be governed, construed and interpreted under the laws of the State of Mississippi excluding its choice of law provisions. Contracts and purchases will be made or entered into with the lowest responsible bidder meeting specifications, except as otherwise specified in the Invitation. Where more than one item is specified in the Invitation, Mississippi State University reserves the right to determine the low bidder either on the basis of the individual items or on the basis of all items included in its Invitation for Bids, or as expressly provided in Mississippi State University Invitation for Bids.

5.2 Unless the bidder specified otherwise in the bid, Mississippi State University may accept any item or group of items of any kind. Mississippi State University reserves the right to modify or cancel in whole or in part its Invitation for Bids.

5.3 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 and without modification of MSU's terms and conditions regardless of any terms or conditions that the Bidder normally may have or use. The contract shall not be assignable by the vendor in whole or in part without the written consent of Mississippi State University.

**6. INSPECTION**

Final inspection and acceptance or rejection may be made at delivery destination, but all materials and workmanship shall be subject to inspection and test at all times and places, and when practicable. During manufacture, the right is reserved to reject articles which contain defective material and workmanship. Rejected material shall be removed by and at the expense of the contractor promptly after notification or rejection. Final inspection and acceptance or rejection of the materials or supplies shall be made as promptly as practicable, but failure to inspect and accept or reject materials or supplies shall not impose liability on the State of Mississippi or any subdivision thereof for such materials or supplies as are not in accordance with the specification. In the event necessity requires the use of materials or supplies not conforming to the specification, payment therefore may be made at a proper reduction in price. All goods will be subject to inspection and testing by MSU to the extent practicable at all times and places. Authorized MSU personnel shall have access to any supplier's place of business for the purpose of inspecting merchandise. Tests shall be performed on samples submitted with the bid or on samples taken from regular shipment. In the event products tested fail to meet or exceed all conditions and requirements of the specifications, the cost of the sample used and the cost of the testing shall be borne by the supplier. Goods which have been delivered and rejected in whole or in part may, at MSU's option, be returned to the supplier or held for disposition at supplier's risk and expense. Latent defects may result in revocation of acceptance.

**7. TAXES**

Mississippi State University is exempt from Federal excise taxes and state and local sales or use taxes and bidders must quote prices which do not include such taxes. Exemption certificates will be furnished upon request. Contractors making improvements to, additions to or repair work on real property on behalf of Mississippi State University are liable for any applicable sales or use tax on purchase of tangible personal property for use in connection with the contracts. Contractors are likewise liable for any applicable use tax on tangible personal property furnished to them by Mississippi State University for use in connection with their contracts.

**8. GIFTS, REBATE, GRATUITIES**

8.1 Acceptance of gifts from contractors prohibited. No officer or employee of the Office of Procurement and Contracts, nor any head of any state department, institution or agency, nor any employee of any state department, institution or agency charged with responsibility of initiating requisitions, shall accept or receive, directly or indirectly, from any person, firm or corporation to whom any contract for the purchase of materials, supplies, or equipment for the State of Mississippi may be awarded, by rebate, gifts, or otherwise, any money or anything of value whatsoever, or any promise, obligation or contract for future rewards or compensation.

8.2 Bidding by state employees prohibited. It is unlawful for any state official or employee to bid on, or sell, or offer for sale, any merchandise equipment or material, or similar commodity to the State of Mississippi during the tenure of his office or employment, or for the period prescribed by law thereafter, or to have any interest in the selling of the same to the State.

**9. BID INFORMATION**

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

**10. CONDITIONS**

Should a conflict exist between the General Conditions and any Special Conditions, the Special Conditions shall take precedence if applicable.

**11. WAIVER**

The Office of Procurement and Contracts reserves the right to waive any General Condition, Special Condition, or minor specification deviation when considered to be in the best interest of Mississippi State University, so long as such waiver is not given so as to deliberately favor any single vendor and would have the same effect on all vendors.

**12. CANCELLATION**

Any Contract or item award may be canceled for cause by either party with the giving of 30 days written notice of intent to cancel. Cause for Mississippi State University to cancel shall include, but is not limited to, cost exceeding current market prices for comparable purchase; request for increase in prices during the period of the Contract; or failure to perform to Contract conditions. The Contractor will be required to honor all purchase orders that were prepared and dated prior to the date of expiration or cancellation if received by the Contractor within a period of 30 days following the date of expiration or cancellation. Cancellation by Mississippi State University does not relieve the Contractor of any liability arising out of a default or nonperformance. Cause for the vendor to cancel shall include, but is not limited to, the item(s) being discontinued and unavailable from the manufacturer.

**13. SUBSTITUTIONS DURING CONTRACT**

During the term of a contract if adequate documentation is provided that supports the claim that the contract item(s) are not available, then items which meet the minimum specifications may be substituted if approved by the Office of Procurement and Contracts and are deemed to be in the best interest of Mississippi State University.

**14. APPLICATION**

14.1 It is understood and agreed by the Vendor that this contract is entered into solely for the convenience of Mississippi State University and all purchases made by MSU for products included under the provisions of this contract shall be purchased from the vendor receiving the award unless exempt by special authorization from the Office of Procurement and Contracts. Employees of the Office of Procurement and Contracts have acted exclusively as employees of Mississippi State University for the award, consummation, administration and all other matters related to this contract and are not liable for any performance or nonperformance by Mississippi State University.

14.2 The supplier agrees to protect MSU from claims involving infringement of patents or copyrights.

14.3 Supplier hereby assigns to MSU any and all claims for overcharges associated with this contract which arise under the antitrust laws of the United States 15 U.S.C.A. Section 1, et seq. (1973), and which arise under the antitrust laws of the State of Mississippi.

14.4 Signing this bid with a false statement is a material violation and shall void the submitted bid or any resulting contracts, and the bidder shall be removed from all bid lists. By signature hereon affixed, the bidder hereby certifies that:

14.4.1 The bidder has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant in connection with the submitted bid.

14.4.2 The bidder is not currently delinquent in the payment of any franchise tax owed the State of Mississippi.

14.4.3 The bidder certifies that the individual or business entity named in this bid is not ineligible to receive the specified contract and acknowledges that this contract may be terminated and/or payment withheld if this certification is inaccurate. Neither the bidder nor the firm, corporation, partnership or institution represented by the bidder, or anyone acting for such firm, corporation or institution has violated the antitrust laws of this State, or the Federal Antitrust Laws, nor communicated directly or indirectly the bid made to any competitor or any other person engaged in such line of business.

14.4.4 The bidder has not received compensation for participation in the preparation of the specifications for this IFB.

14.4.5 The supplier shall defend, indemnify, and hold harmless the State of Mississippi, all of its officers, agents and employees from and against all claims, actions, suits, demands, proceedings costs, damages, and liabilities, from any acts or omissions of supplier or any agent, employee, subcontractor, or supplier of supplier in the execution or performance of this purchase order.

14.4.6 Bidder agrees that any payments due under this contract will be applied towards any debt, including but not limited to delinquent taxes and child support that is owed to the State of Mississippi.

- 14.5 Any terms and conditions attached to a bid will not be considered unless the bidder specifically refers to them on the front of this bid form and encloses a legible and complete copy of the same without the need for further reference to any other document or source of information.

**WARNING: Such terms and conditions may result in disqualification of the bid (e.g. bids with the laws of a State other than Mississippi, requirements for prepayment, limitations on remedies, etc.).**

- 14.6 Information, documentation, and other material in connection with this solicitation or any resulting contract may be subject to public disclosure pursuant to the Mississippi Public Records Act.

**16. ADDENDA**

Addenda modifying plans and/or specifications may be issued if time permits. Should it become necessary to issue an addendum within the three-day period prior to the bid opening, the bid date will be reset giving bidders ample time to answer the addendum. When replying to a bid request on which an addendum has been issued, the bid shall indicate that provisions of the addendum have been noted and that the bid is being offered in compliance therewith. Failure to make this statement may result in the bid being rejected as not being in accordance with the revised specifications or plans.

**17. ALTERNATE BIDS**

Alternate bids unless specifically requested will not be considered. An alternate is considered to be a bid that does not comply with the minimum provisions of the specification.

**18. SPECIFICATION CLARIFICATION**

Inquiries pertaining to IFBs must include the IFB number and opening date. It shall be incumbent upon all bidders to understand the provisions of the specification and to obtain clarification from the MSU Office of Procurement and Contracts prior to the time and date set for the bid opening. Such clarification will be answered only in response to a written request. No clarification will be offered as a response to a telephone request.

**19. BID OPENINGS**

Bid openings will be conducted open to the public. However, they will serve only to open, read and tabulate the bid price on each bid. 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.

**20. PAYMENT**

Supplier shall submit one copy of an itemized invoice showing order number and agency purchase order number. MSU will incur no penalty for late payment if payment is made in 45 or fewer days from receipt of goods or services and an uncontested invoice.

**21. FIRM BID PRICE**

Prices quoted shall be firm for the term of the contract except that Mississippi State University shall receive the benefit of any price decrease in excess of five per cent (5). The contractor must provide written price reduction information within ten (10) days of its effective date.

**22. EQUAL EMPLOYMENT OPPORTUNITY**

This purchase will be subject to the provisions of Executive Order 11246 if it is not otherwise exempt. Except in contracts exempted in accordance with Section 204 of the Executive Order 11246, As Amended, all Government contracting agencies shall include in every Government contract hereafter entered into the following provisions. During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advancements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The contractor will comply with all provisions of Executive Order No. 11246 of Sept. 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant

thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) The contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States." [Sec. 202 amended by EO 11375 of Oct. 13, 1967, 32 FR 14303, 3 CFR, 1966-1970 Comp., p. 684, EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230]

END OF GENERAL CONDITIONS

ATTACHMENT 2  
SPECIAL CONDITIONS

Bidders must comply with all rules, regulations and statutes relating to purchasing in the State of Mississippi in addition to the requirements of this form.

- ☐ None
- ☐ See Attached Drawings, Specifications or Instructions