

**REQUEST FOR BIDS  
FOR  
FURNISHING AND DELIVERY  
OF  
3D SAND PRINTER  
FOR  
THE CURATORS OF THE UNIVERSITY OF MISSOURI  
ON BEHALF OF  
UNIVERSITY OF MISSOURI SCIENCE & TECHNOLOGY CAMPUS  
RFB # 21041  
DUE DATE: October 23, 2020  
TIME: 1:00 PPM CT**

THE CURATORS OF THE UNIVERSITY OF MISSOURI

Prepared by:

Teresa L. Vest

Associate Director

University of Missouri Procurement

2910 LeMone Industrial Blvd

Columbia, MO 65201

Date Issued: October 12, 2020

**RFB # 21041**

**Purchase of 3D Sand Printer**

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## NOTICE TO BIDDERS

The University of Missouri requests bids for the Furnishing and Delivery of **3D Sand Printer, RFB #21041** which will be received by the undersigned at University of Missouri Procurement, until **October 23, 2020 at 1:00 p.m. CT. The University assumes no responsibility for any supplier's on-time receipt at the designated location for bid opening.**

In the event a Bidder chooses to use the Word version of the RFB to aid in preparation of its response, the Bidder should only complete the response information. Any modification by the Bidder of the specifications provided will be ignored, and the original wording of the RFB shall be the prevailing document.

If you have any questions regarding the RFB, please send them to:

*Teresa L. Vest*  
*University of Missouri Procurement*  
*2910 LeMone Industrial Blvd*  
*Columbia, Missouri 65201*  
[vestt@umsystem.edu](mailto:vestt@umsystem.edu)

**All questions regarding the RFB must be received no later than 1:00 p.m. on October 19, 2020.**

The University reserves the right to waive any informality in Request for Bids and to reject any or all Request for Bids.

THE CURATORS OF THE UNIVERSITY OF MISSOURI  
Prepared by:  
Teresa L. Vest  
Associate Director  
University of Missouri Procurement  
2910 LeMone Industrial Blvd  
Columbia, MO 65201

**UNIVERSITY OF MISSOURI  
REQUEST FOR BID (RFB)  
GENERAL TERMS AND CONDITIONS & INSTRUCTIONS TO BIDDERS**

**A. General Terms and Conditions**

1. **Purpose:** The purpose of these specifications is to require the furnishing of the highest quality equipment, supplies, material and/or service in accordance with the specifications. These documents, and any subsequent addenda, constitute the complete set of specification requirements and bid response forms.
2. **Governing Laws and Regulations:** Any contract issued as a result of this RFB shall be construed according to the laws of the State of Missouri. Additionally, the supplier shall comply with all local, state, and federal laws and regulations related to the performance of the contract to the extent that the same may be applicable.
3. **Taxes:** The supplier shall assume and pay all taxes and contributions including, but not limited to, State, Federal and Municipal which are payable by virtue of the furnishing and delivery of item(s) specified herein. Materials and services furnished the University are not subject to either Federal Excise Taxes or Missouri Sales Tax.
4. **Sovereign Immunity:** The Curators of the University of Missouri, due to its status as a state entity and its entitlement to sovereign immunity, is unable to accept contract provisions, which require The Curators to indemnify another party (537.600, RSMo). Any indemnity language in proposed terms and conditions will be modified to conform to language that The Curators are able to accept.
5. **Preference for Missouri Firms:** In accordance with University policy, preference shall be given to Missouri products, materials, services, and firms when the goods or services to be provided are equally or better suited for the intended purpose. In assessing overall value, consideration will be given to the extent to which proximity or Missouri preference of the supplier provides potential advantages or reduction of risks. Firms are considered "Missouri firms" if they maintain a regular place of business in the State of Missouri.
6. **Appropriation:** The Curators of the University of Missouri is a public corporation and, as such, cannot create indebtedness in any one year (the fiscal year beginning July 1 to June 30) above what they can pay out of the annual income of said year as set forth in 172.250, RSMo. Therefore, if the University determines it has not received adequate appropriations, budget allocations or income to enable it to meet the terms of this contract, the University reserves the right to cancel this contract with 30 days' notice.
7. **Equal Opportunity and Non-Discrimination:** In connection with the furnishing of equipment, supplies, and/or services under the contract, the contractor and all subcontractors shall agree not to discriminate against any recipients of services, or employees or applicants for employment on the basis of race, color, religion, national origin, sex, age, disability, or veteran status. The contractor shall comply with federal laws, rules, and regulations applicable to subcontractors of government contracts including those relating to equal employment of minorities, women, persons with disabilities, and certain veterans. Contract clauses required by the United States Government in such circumstances are incorporated herein by reference.
8. **Supplier Diversity Participation:** The University of Missouri System is committed to and supports supplier diversity as an essential part of the University's mission and core values. To qualify as a Diverse Supplier, the company must be at least 51% owned and controlled by someone in one of the recognized

groups (see below). These firms can be a sole proprietorship, partnership, joint venture or corporation. Diverse suppliers should be certified from a recognized certifying agency.

The University of Missouri recognizes the following groups:

- MBE (Minority Owned Business Enterprise)
  - African American
  - Asian American (including Pacific Asian and Subcontinent Asian)
  - Hispanic American
  - Native American
- WBE (Women Owned Business Enterprise)
- DVBE (Service-Disabled Veteran Owned Business Enterprise)
- VBE (Veteran Owned Business Enterprise)
- LGBT (Lesbian, Gay, Bisexual, Transgender)
- DBE (Disadvantaged Business Enterprise)

Tier 2 Diverse Supplier Spending and Reporting: The University strongly encourages Supplier Diversity participation in all contracts for goods and services. Tier 2 spend is spend reported by primary (non-diverse) suppliers of the University of Missouri who subcontract work to or make purchases from a diverse supplier. Depending upon the contract, primary (non-diverse) suppliers may be asked to submit Tier 2 information with Women and Diverse Owned Companies. Suppliers have two options in reporting Tier 2 dollars depending on the terms on the contract: Direct and Indirect. Definitions and further explanation of these options is included in the Supplier Diversity Participation Form attached hereto.

Supplier Diversity Participation Form: If a bidder will be utilizing a diverse supplier as part of this contract, they must indicate their Supplier Diversity participation levels on the Supplier Diversity Participation Form included in this RFB (see Attachment A). The Bidder must describe what suppliers and/or how the Bidder will achieve the Supplier Diversity goals. Evaluation of bids shall include the proposed level of Supplier Diversity participation. Bids that do not meet the participation requirements for Supplier Diversity will not receive any of the points during bid review.

Suppliers will be responsible for reporting Tier 2 diverse supplier participation on an agreed upon timing (e.g. quarterly, annually) when business is awarded.

The University may monitor the supplier's compliance in meeting the Supplier Diversity participation levels committed to in the awarded bid. If the supplier's payments to participating diverse suppliers are less than the amount committed to in the contract, the University reserves the right to cancel the contract, suspend and/or debar the supplier from participating in future contracts.

9. **Applicable Laws and Regulations:** The University serves from time to time as a contractor for the United States government. Accordingly, the provider of goods and/or services shall comply with federal laws, rules and regulations applicable to subcontractors of government contracts including those relating to equal employment opportunity and affirmative action in the employment of minorities (Executive Order 11246), women (Executive Order 11375), persons with disabilities (29 USC 706 and Executive Order 11758), and certain veterans (38 USC 4212 formerly [2012]) contracting with business concerns with small disadvantaged business concerns (Publication L. 95-507). Contract clauses required by the Government in such circumstances are incorporated herein by reference.
10. **Anti-Discrimination Against Israel Act:** If this Contract involves the acquisition or disposal of services, supplies, information technology, or construction and has a total potential value of \$100,000 or more,

and if Supplier is a company with ten (10) or more employees, then Supplier certifies that it, and any company affiliated with it, does not boycott Israel and will not boycott Israel during the term of this Contract. In this paragraph, the terms “company” and “boycott Israel” shall have the meanings described in Section 34.600 of the Missouri Revised Statutes.

- 11. Applicable Digital Accessibility Laws and Regulations:** The University affords equal opportunity to individuals with disabilities in its employment, services, programs and activities in accordance with federal and state laws, including Section 508 of the Rehabilitation Act, 36 C.F.R., Pt. 1194. This includes effective communication and access to electronic and information communication technology resources, and the University expects that all products will, to the greatest extent possible, provide equivalent ease of use for individuals with disabilities as for non-disabled individuals. The University of Missouri has adopted the Web Content Accessibility Guidelines (WCAG), as specified by the University of Missouri Digital Accessibility Policy.

Supplier shall: (1) deliver all applicable services and products in reasonable compliance with University standards (Web Content Accessibility Guidelines 2.0, Level AA or above); (2) provide the University with an Accessibility Conformance Report detailing the product’s current accessibility according to WCAG standards using the latest version of the Voluntary Product Accessibility Template (VPAT); (3) if accessibility issues exist, provide a “roadmap” plan for remedying those deficiencies on a reasonable timeline to be approved by the University; (4) promptly respond to assist the University with resolving any accessibility complaints and requests for accommodation from users with disabilities resulting from supplier’s failure to meet WCAG guidelines at no cost to the University; and (5) indemnify and hold the University harmless in the event of any claims arising from inaccessibility.

When installation, configuration, integration, updates, or maintenance are provided, the supplier must ensure these processes are completed in a way that does not reduce the original level of WCAG conformance. If at any point after procurement it is determined that accessibility improvements need to be made in order to comply with the WCAG standards, the supplier agrees to work with the University to remedy the non-compliance by submitting a roadmap detailing a plan for improvement on a reasonable timeline. Resolution of reported accessibility issue(s) that may arise should be addressed as high priority, and failure to make satisfactory progress towards compliance with WCAG, as agreed to in the roadmap, shall constitute a breach of contract and be grounds for termination or non-renewal of the agreement.

- 12. Applicable Health Related Laws and Regulations:** If these specifications or any resulting contract involves health care services or products, the Supplier agrees to maintain, and will further assure such compliance by its employees or subcontractors, the confidential nature of all information which may come to Supplier with regard to patients of the University. All services provided pursuant to this contract shall be provided in accordance with all applicable federal and state laws including The Health Insurance Portability and Accountability Act of 1996, Public Law 104-191, sections 261-264 (the Administrative Simplification sections) and the regulations promulgated pursuant thereto and regulations of the Joint Commission on Accreditation of Healthcare Organization and The Centers for Medicare & Medicaid Services (CMS).

Bidders understand and agree that the Curators of the University of Missouri, in the operation of MU Health Care, is regulated under federal or state laws with regard to contracting with suppliers. The Bidder represents that it is not currently excluded or threatened with exclusion from participating in any federal or state funded health care program, including Medicare and Medicaid. Bidder agrees to notify the University of any imposed exclusions or sanctions covered by this representation.

The University will regularly check the "List of Excluded Individuals/Entities" (LEIE), maintained by the Office of Inspector General, United States Department of Health and Human Services ("OIG") to determine if any Bidders have been excluded from participation in federal health care programs, as that term is defined in 42 U.S.C. §1320a-7b(f). The University reserves the sole right to reject any bidders who are excluded by the OIG, who have been debarred by the federal government, or who have otherwise committed any act that could furnish a basis for such exclusion or debarment.

**13. Compliance with CDC Guidelines: (If Applicable)**

Due to the changing nature of the COVID-19 pandemic, successful Supplier will monitor and comply with CDC and other federal, state, and local guidance; modifications to University operating procedures; and directives of University relating to protection of the health and safety of the University community.

NOTIFICATION TO UNIVERSITY IN EVENT OF POSITIVE COVID-19 CASE: In the event any of the successful Contractor's personnel who have or are presently performing services for the University of Missouri (a) tests positive for COVID-19, or (b) has been in close contact with someone that tests positive for COVID-19, the successful Contractor shall immediately notify the University designated contact, and take immediate action to quarantine such person and any other Contractor Personnel who may have come in contact with the person testing positive for COVID-19, and assist University in identifying any other persons on the University campus who may have come in contact with such person. Contractor must clean and disinfect all areas any infected person may have contacted on University's campus, and any cleaning or sanitation costs resulting from a positive COVID-19 test of Contractor personnel are the sole cost and responsibility of Contractor.

**14. Inventions, Patents, and Copyrights:** The Contractor shall pay for all royalties, license fees, patent or invention rights, or copyrights and defend all suits or claims for infringements of any patent or invention right or copyrights involved in the items furnished hereunder. The Contractor shall defend, protect, and hold harmless the University its officers, agents, servants and employees against all suits of law or in equity resulting from patent and or copyright infringement concerning the contractor's performance or products produced under the terms of the contract.

Copyrights for any item developed for the University shall be the property of the University and inure to its benefit and the Contractor shall execute such documents as the University may require for the perfection thereof.

**15. Contractor Gifts:** The contractor shall refrain in offering any offers of gifts to the University, and all University of Missouri employee's, in accordance with University of Missouri Policy #26301, Suppliers.

**B. Instructions to Bidders**

**1. Request for Bid (RFB) Document:** Bidders are expected to examine the complete RFB document and all attachments including drawings, specifications, and instructions. Failure to do so is at Bidders' risk. It is the Bidders' responsibility to ask questions, request changes or clarifications, or otherwise advise the University if any language, specifications or requirements of the RFB appear to be ambiguous, contradictory, and/or arbitrary, or appear to inadvertently restrict or limit the requirements stated in the RFB to a single source.

Any and all communications from Bidders regarding specifications, requirements, competitive Request for Bid process, etc., should be directed to the University buyer of record referenced in this RFB. It is the responsibility of the person or organization communicating the request to ensure that it is received.

The RFB document and any attachments constitute the complete set of specifications and Request for Bid response forms. No verbal or written information that is obtained other than through this RFB or its addenda shall be binding on the University. No employee of the University is authorized to interpret any portion of this RFB or give information as to the requirements of the RFB in addition to that contained in or amended to this written RFB document. In case of any doubt or difference of opinion as to the true intent of the RFB, the decision of the University's Chief Procurement Officer shall be final and binding on all parties.

- 2. Preparation of Request for Bids:** All Request for Bids must be submitted in the format and number of copies as specified in the detailed specifications and must be enclosed in a sealed envelope plainly marked: **Request for Bid #21041 for 3D Sand Printer, mailed and/or delivered to University of Missouri Procurement, 2910 LeMone Industrial Blvd, Columbia, MO 65201, ATTN: Teresa L. Vest, Associate Director.** To receive consideration, Request for Bids must be received, prior to the Bid due date and time stated in this RFB. It is the bidder's full responsibility for the actual delivery of bids.

Unless otherwise specifically stated in the RFB, all specifications and requirements constitute minimum requirements. All Requests for Bids must meet or exceed the stated specifications or requirements. All equipment and supplies offered must be new, of current production, and available for marketing by the manufacturer unless the RFB clearly specifies that used, reconditioned, or remanufactured equipment and supplies may be offered. Unless specifically stated and allowed in the Detailed Specifications and Special Conditions, all pricing submitted in response to this RFB is firm and fixed.

Whenever the name of a manufacturer, trade name, brand name, or model and catalog numbers followed by the words "or equal" or "approved equal" are used in the specifications, it is for the purpose of item identification and to establish standards of quality, style, and features. Bids on equivalent items of the same quality are invited. However, to receive consideration, such equivalent bids must be accompanied by sufficient descriptive literature and/or specifications to clearly identify the item and provide for competitive evaluation. The University will be the sole judge of equality and suitability. Whenever the name of a manufacturer is mentioned in the specifications and the words "or equal" do not follow, it shall be deemed that the words "or equal" follow unless the context specifies "no substitution." Unless noted on the Request for Bid form, it will be deemed that the article furnished is that designated by the specifications. The University reserves the right to return, at contractor's expense, all items that are furnished which are not acceptable as equals to items specified and contractor agrees to replace such items with satisfactory items at the original bid price.

Time will be of the essence for any orders placed as a result of this RFB. The University reserves the right to cancel any orders, or part thereof, without obligation if delivery is not made in accordance with the schedule specified by the bidders' response and accepted by the University. Unless otherwise specified in the Detailed Specifications and Special Conditions, all bids shall include all packing, handling, and shipping charges FOB destination, freight prepaid and allowed.

- 3. Submission of Bids:** Bidders shall furnish information required by the solicitation in the form requested. The University reserves the right to reject bids with incomplete information or which are presented on a different form. All bids shall be signed, in the appropriate location, by a duly authorized representative of the Bidder's organization. Signature on the bid certifies that the Bidder has read and fully understands all RFB specifications, plans, and terms and conditions.

By submitting a bid, the Bidder agrees to provide the specified equipment, supplies and/or services in the RFB, at the prices quoted, pursuant to all requirements and specifications contained therein.



Furthermore, the Bidder certifies that: (1) the bid is genuine and is not made in the interest of or on behalf of any undisclosed person, firm, or corporation, and is not submitted in conformity with any agreement or rules of any group, association, or corporation; (2) the Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham bid; (3) the Bidder has not solicited or induced any person, firm, or corporation to refrain from responding; (4) the Bidder has not sought by collusion or otherwise to obtain any advantage over any other Bidder or over the University.

Modifications or erasures made before bid submission must be initialed in ink by the person signing the bid. Bids, once submitted, may be modified in writing prior to the exact date and time set for the RFB closing. Any such modifications shall be prepared on company letterhead, signed by a duly authorized representative, and state the new document supersedes or modifies the prior bid. The modification must be submitted marked "Bid Modification" and clearly identifying the RFB title, RFB number and closing date and time. Bids may not be modified after the RFB closing date and time. Telephone and facsimile modifications are not permitted.

Bids may be withdrawn in writing, on company letterhead, signed by a duly authorized representative and received at the designated location prior to the date and time set for RFB closing. Bids may be withdrawn in person before the RFB closing upon presentation of proper identification. Bids may not be withdrawn for a period of sixty (60) days after the scheduled closing time for the receipt of bids.

All bids, information, and materials received by the University in connection with an RFB response shall be deemed open records pursuant to 610.021 RSMo. If a Bidder believes any of the information contained in the Bidder's response is exempt from 610.021 RSMo, the Bidder's response must specifically identify the material which is deemed to be exempt and cite the legal authority for the exemption; otherwise, the University will treat all materials received as open records. The University shall make the final determination as to what materials are or are not exempt.

4. **Evaluation and Award:** Any clerical errors, apparent on its face, may be corrected by the Buyer before contract award. Upon discovering an apparent clerical error, the Buyer shall contact the Bidder and request clarification of the intended bid. The correction shall be incorporated in the notice of award. The University reserves the right to request clarification of any portion of the Bidder's response in order to verify the intent. The Bidder is cautioned, however, that its response may be subject to acceptance or rejection without further clarification.

The University reserves the right to make an award to the responsive and responsible Bidder whose product or service meets the terms, conditions, and specifications of the RFB and whose bid is considered to best serve the University's interest. In determining responsiveness and the responsibility of the Bidder, the following shall be considered when applicable: the ability, capacity, and skill of the bidder to perform as required; whether the bidder can perform promptly, or within the time specified without delay or interference; the character, integrity, reputation, judgment, experience and efficiency of the bidder; the quality of past performance by the bidder; the previous and existing compliance by the bidder with related laws and regulations; the sufficiency of the bidder's financial resources; the availability, quality and adaptability of the bidder's equipment, supplies and/or services to the required use; the ability of the bidder to provide future maintenance, service and parts.

The University has established formal protest procedures. For more information about these procedures, contact the Buyer of Record. In case of any doubt or difference of opinion as to the items and/or services to be furnished hereunder, the decision of the Assistant Vice President Management Services, UM System shall be final and binding upon all parties.

The University reserves the right to accept or reject any or all bids and to waive any technicality or informality.

5. **Contract Award and Assignment:** The successful Bidder(s) shall enter into a contract prepared by the University. The Contract Documents shall include the Advertisement for Request for Bids, Specifications and Addenda, Exhibits, Request for Bid Form, Form of Contract, Statement of Work, Letter of Award, University Purchase Order, and Form of Performance Bond, if required.

The contract to be awarded and any amount to be paid thereunder shall not be transferred, sublet, or assigned without the prior approval of the University.

6. **Contract Termination for Cause:** In the event the Contractor violates any provisions of the contract, the University may serve written notice upon Contractor and Surety setting forth the violations and demanding compliance with the contract. Unless within ten (10) days after serving such notice, such violations shall cease and satisfactory arrangements for correction be made, the University may terminate the contract by serving written notice upon the Contractor; but the liability of Contractor and Surety for such violation; and for any and all damages resulting there from, as well as from such termination, shall not be affected by any such termination.
7. **Contract Termination for Convenience:** The University reserves the right, in its best interest as determined by the University, to cancel the contract by given written notice to the Contractor thirty (30) days prior to the effective date of such cancellation.
8. **Warranty and Acceptance:** The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished or adopted by the University, (2) be fit and sufficient for the purpose expressed in the RFB, (3) be merchantable, (4) be of good materials and workmanship, (5) be free from defect. Such warranty shall survive delivery and shall not be deemed waived either by reason of the University's acceptance of or payment for such equipment, supplies, and/or services.

No equipment, supplies, and/or services received by the University pursuant to a contract shall be deemed accepted until the University has had a reasonable opportunity to inspect said equipment, supplies and/or services. All equipment, supplies, and/or services which do not comply with specifications and/or requirements or which are otherwise unacceptable or defective may be rejected. In addition, all equipment, supplies, and/or services which are discovered to be defective or which do not conform to any warranty of the Contractor upon inspection (or at any later time if the defects contained were not reasonably ascertainable upon the initial inspection) may be rejected.

9. **Payment:** Preferred settlement method is through the use of Electronic Accounts Payable solutions. Payment terms associated with these forms of payment will be issued as net 30 after the date of invoice. Payment terms associated with settlement by check will be net 30 days. Cash discounts for prompt payment may be offered but they will not be considered in determination of award unless specifically stated in the Detailed Specifications and Special Conditions. The University may withhold payment or make such deductions as may be necessary to protect the University from loss or damage on account of defective work, claims, damages, or to pay for repair or correction of equipment or supplies furnished hereunder. Payment may not be made until satisfactory delivery and acceptance by the University and receipt of correct invoice have occurred.

The University encourages suppliers to opt into its Single-Use Account (SUA) credit card program for payment of invoices. The SUA is an electronic, credit card-based payment solution that acts like a check. It provides a single 16-digit virtual account number for each payment. Similar to a check, the credit limit on each SUA is set to the specific payment amount. Payment terms for Suppliers who participate in the SUA program are Net 0 as opposed to the standard Net 30 terms.

10. **Accounting Practices:** The Contractor shall maintain, during the term of the contract, all books of account, reports, and records in accordance with generally accepted accounting practices and standard for records directly related to this contract. The Contractor agrees to make available to the University, during normal business hours, all book of account, reports and records relating to this contract for the duration of the contract and retain them for a minimum period of one (1) year beyond the last day of the contract term.
11. **Debarment and Suspension Certification:** The Contractor certifies to the best of its knowledge and belief that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency in accordance with Executive Order 12549 (2/18/86).
12. **Cooperative Purchasing:** The intended coverage of this RFB, and any Agreement resulting from this solicitation, shall be for the use by all faculty, staff, students, departments, locations, and affiliates of the University of Missouri, including MU Health Care.

The University of Missouri System seeks to make the terms and prices of this contract available to other higher education institutions and public entities in the State of Missouri. Extension of the terms and prices to any or all other Missouri higher education institutions and public entities is at the discretion of bidders and shall not be considered in the award of this contract. The contractor shall further understand and agree that participation by other higher education institutions and public entities is discretionary on the part of these institutions, and the University of Missouri System bears no financial responsibility for any payments due the contractor by such entities, nor will the University be responsible for contract administration for other institutions.

**UNIVERSITY OF MISSOURI**  
**DETAILED SPECIFICATIONS AND SPECIAL CONDITIONS**

**1. OBJECTIVE**

The Curators of the University of Missouri, a public organization, propose to contract on behalf of University of Missouri S&T Campus (hereinafter referred to as "University") with an organization (hereinafter referred to as "Supplier"), to purchase a **3D Sand Printer** as described herein.

**2. BACKGROUND UNIVERSITY INFORMATION**

The University of Missouri has provided teaching, research and service to Missouri since 1839. It was the first publicly supported institution of higher education established in the Louisiana Purchase territory. Today, the University of Missouri is one of the nation's largest higher education institutions with more than 73,000 students, 24,000 faculty and staff on four campuses, an extension program with activities in every county of the state, comprehensive distance learning services and an extensive health care network.

**3. CONTRACT PERIOD**

The contract period shall be from the date of award for one (1) year.

The Curators of the University of Missouri is a public corporation and, as such, cannot create an indebtedness in any one year (the fiscal year beginning July 1 to June 30) above what they can pay out of the annual income of said year as set forth in Section 172.250 RS MO. Therefore, if the University determines it has not received adequate appropriations, budget allocations or income to enable it to meet the terms of this contract, the University reserves the right to cancel this contract with thirty (30) days' notice.

**4. INSTRUCTIONS FOR BID RESPONSE**

Bidders must be clear and concise in responses to all specifications in order to be fully credited and considered. Attach and reference any relevant documentation that would ensure the specifications are met. If "no response" or insufficient response to substantiate compliance is provided, the University reserves the sole right to reject supplier's bid from further consideration. Do not include responses which are superfluous or irrelevant to the specific question asked and do not include large graphics. These are not valuable in the volume of information the various evaluating teams must review.

Bid responses **MUST** be submitted in a sealed envelope with one (1) paper copies and one (1) electronic copy via a non-password protected flash drive in PDF format and must contain **in this order**:

- Response to Information for Bidders and General Conditions,
- Mandatory Specifications and supplier responses,
- Request for Bid Form with any supplemental pricing schedules, if applicable.
- Authorized Bidder Representation.
- Attachment A - Supplier Diversity Participation Form.
- Attachment B – Supplier Registration Information.
- If there is a supplier related contract that must be signed as part of doing business, it should also be included.

Bidder must complete and return the University Bid Form with bid response. Supplier quote sheets are not acceptable forms of bidding and could cause rejection of bid. **All bids must be plainly marked: Request for Bid #21041 for 3D SAND PRINTER, mailed and/or hand delivered to University of Missouri Procurement, 2910 LeMone Industrial Blvd., Columbia, MO 65201, Attn: Teresa L. Vest. Please allow transmittal time to ensure your bid is received no later than the time stated on the RFB cover page.**

Note: Any Bidder's Request for Bid that makes material modifications to the University's Terms and Conditions may be found non-responsive, as solely determined by the University.

**Confidentiality of Information:**

All records received from a Supplier will be deemed public records and presumed to be open. If the supplier submits with the Request for Bid any information claimed to be exempt under the Revised Statutes of Missouri, Chapter 610, this information must be placed in a separate envelope and marked with:

"This data shall not be disclosed outside the University or be duplicated, used, or disclosed in whole or in part for any purpose other than to evaluate the Request for Bid; however, if a contract is awarded to this Supplier as a result of or in connection with the submission of such information, the University shall have the right to duplicate, use, or disclose this information to the extent provided in the contract. This restriction does not limit the University's right to use information contained herein if it is obtained from another source."

**5. EVALUATION AND CRITERIA FOR AWARD OF BID**

Bidders must meet all specifications/requirements. If requirements are not met, suppliers are disqualified from further evaluation/award. Bids will be awarded to the lowest bidder meeting all specifications.

**6. INSURANCE REQUIREMENTS**

Contractor agrees to maintain, on a primary basis and at its sole expense, at all times during the life of any resulting contract the following insurance coverages, limits, including endorsements described herein. The requirements contained herein, as well as the University's review or acceptance of insurance maintained by Contractor is not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by Contractor under any resulting contract. Coverage to be provided as follows by a carrier with A.M. Best minimum rating of A- VIII.

**Commercial General Liability** Contractor agrees to maintain Commercial General Liability at a limit of not less than \$2,000,000 Each Occurrence, \$5,000,000 Annual Aggregate. Coverage shall not contain any endorsement(s) excluding nor limiting Product/Completed Operations, Contractual Liability or Cross Liability.

Contractor may satisfy the minimum liability limits required for Commercial General Liability or Business Auto Liability under an Umbrella or Excess Liability policy. There is no minimum per occurrence limit of liability under the Umbrella or Excess Liability; however, the Annual Aggregate limit shall not be less than the highest "Each Occurrence" limit for either Commercial General Liability or Business Auto Liability. Contractor agrees to endorse The Curators of the University of Missouri, its officers, employees and agents as Additional Insured on the Umbrella or Excess Liability, unless the Certificate of Insurance state the Umbrella or Excess Liability provides coverage on a "Follow-Form" basis.

**Business Auto Liability** Contractor agrees to maintain Business Automobile Liability at a limit not less than \$2,000,000 Each Occurrence. Coverage shall include liability for Owned, Non-Owned & Hired automobiles. In the event Contractor does not own automobiles, Contractor agrees to maintain coverage for Hired & Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy.

**Workers' Compensation & Employers Liability** Contractor agrees to maintain Workers' Compensation in accordance with Missouri State Statutes or provide evidence of monopolistic state coverage. Employers Liability with the following limits: \$500,000 each accident, disease each employee and disease policy limit.

### **Contract Language**

The Curators of the University of Missouri, its officers, employees and agents are to be Additional Insured with respect to the project to which these insurance requirements pertain. A certificate of insurance evidencing all coverage required is to be provided at least 10 days prior to the inception date of the contract between the contractor and the University. Contractor/Party is required to maintain coverages as stated and required to notify the University of a Carrier Change or cancellation within 2 business days. The University reserves the right to request a copy of the policy. The University reserves the right to require higher limits on any contract provided notice of such requirement is stated in the request for proposals for such contract.

### **Indemnification**

The Contractor agrees to defend, indemnify, and save harmless The Curators of the University of Missouri, their Officers, Agents, Employees and Volunteers, from and against all loss or expense from any cause of action arising from the Contractor's operations. The contractor agrees to investigate, handle, respond to and provide defense for and defend against any such liability, claims, and demands at the sole expense of the Contractor or at the option of the University, agrees to pay to or reimburse the University for the Defense Costs incurred by the University in connection with any such liability claims, or demands.

The parties hereto understand and agree that the University is relying on, and does not waive or intend to waive by any provision of this Contract, any monetary limitations or any other rights, immunities, and protections provided by the State of Missouri, as from time to time amended, or otherwise available to the University, or its officers, employees, agents or volunteers.

Failure to maintain the required insurance in force may be cause for contract termination. In the event the Agency/Service fails to maintain and keep in force the required insurance or to obtain coverage from its subcontractors, the University shall have the right to cancel and terminate the contract without notice.

The insurance required by the provisions of this article is required in the public interest and the University does not assume any liability for acts of the Agency/Service and/or their employees and/or their subcontractors in the performance of this contract.

## 7. MANDATORY SPECIFICATIONS/REQUIREMENTS

Bidders must meet all specifications/requirements in order for bid to be considered. Bidders must confirm compliance to each specification listed.

**3D Sand Printer equipment for making sand molds for metal casting. This equipment will be installed in McNutt Hall, Room 244, on the Missouri S&T campus located in Rolla, MO. Requested items as specified below, or an approved equivalent.**

- S-Print Furan – Process Cell Unit; including 1 x Job Box with specifications of:

<b>External Dimensions (L X W X H)</b>	3270 x 2540 x 2860 mm (128.7 x 100.0 x 112.6 in.)
<b>Build Box (L x W x H)</b>	800 x 500 x 400 mm (31.5 x 19.7 x 15.8 in.)
<b>Layer Height</b>	0.26 - 0.38 mm (0.01 - 0.015 in.)
<b>Weight</b>	3500 kg (7716 lbs)
<b>Supply Voltage</b>	400 V AC (±10%) 3ph/PE/N
<b>Max Build Rate</b>	up to 39 l/h (depending on jobbox utilization, sand type, layer height, resolution and environmental conditions)
<b>Exhaust Air</b>	300 m <sup>3</sup> /h

- S-Print Furan Print Head - specifications:
  - Resolution X/Y: 0.10/0.10mm
  - Optimum build speed 20 sec/layer or greater
- Required software for print data preparation;
- External Roller Conveyor - specifications:
  - Shall not exceed external dimensions of: 1540x1035x913 mm
  - Shall not exceed weight of 200 kg
- Additional Job Box, which would minimize process cell downtime - specifications:
  - Shall not exceed external dimensions of: 999x875x447 mm
  - Weight: no more than 280 kg without sand; no more than 1322 kg with sand
- Downdraft Bench
- Industrial Vacuum Cleaner to remove sand quickly and efficiently – specifications:
  - Voltage: 50/60 Hz, 480 V
  - Tank capacity: 100L or larger
  - Vacuum performance: 1,100 m<sup>3</sup>/h
  - Sound level at 1 m: 75 dB(A) or less
  - Weight: 300 kg or less
- Recycling Sand Separator – specifications:
  - Tank capacity: 1000L
- Sand Separator, with quick connector and clamp lock – specifications:
  - Tank capacity: 600L
  - Weight: 270 kg or less

- Hose Package for Extraction System, to include all hoses and attachments for ease of unloading and cleaning the job box.
- Hose and Connector Kit
- Sand Transport Container, Closed Top Hopper Bottom Bin with an 8' outlet
- Sand Transport Container for Recycling
- Permeability Standard; metric or imperial
- Uninterruptible Power Supply – in the event of power loss the UPS will continue to supply electricity, and allow the printer to switch into “protection mode”. The UPS must supply a minimum of 6 minutes of backup power.
- Parts Kit with 12-month supply, to include but not limited to:
  - Sponges for printhead capping station
  - Wiper for printhead cleaning unit
  - Printhead test paper
  - Recoater cleaning pads
  - Grease cartridge
  - Filter cartridge post-filter for fluid cabinet



**REQUEST FOR BID FORM**

**REQUEST FOR BIDS  
FOR  
FURNISHING AND DELIVERY  
OF  
3D SAND PRINTER  
FOR**

**THE CURATORS OF THE UNIVERSITY OF MISSOURI  
ON BEHALF OF  
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY  
RFB #21041**

**DUE DATE: OCTOBER 23, 2020**

**TIME: 1:00 PM, CT**

The undersigned proposes to furnish the following items and/or services in accordance with all requirements and specifications contained within this Request for Bid issued by the University of Missouri.

QUANTITY	DESCRIPTION	PRICE QUOTED
1 EACH	S-Print Furan – Process Cell Unit; including 1 x Job Box, or approved equivalent	\$ _____
1 EACH	S-Print Furan Print Head, or approved equivalent	\$ _____
1 EACH	Required software and license	\$ _____
1 EACH	S-Print, Additional Job Box	\$ _____
1 EACH	Downdraft Bench	\$ _____
1 EACH	Industrial Vacuum Cleaner	\$ _____
1 EACH	Recycling Sand Separator	\$ _____
1 EACH	Sand Separator	\$ _____
1 EACH	Hose Package for Extraction System	\$ _____

1 EACH	Hose & Connector Kit	\$ _____
1 EACH	Sand Transport Container	\$ _____
1 EACH	Sand Transport Container for Recycling	\$ _____
1 EACH	Permeability Standard	\$ _____
1 EACH	Uninterruptible Power Supply	\$ _____
1 EACH	Parts Kit with 12 month Supply	\$ _____
1 EACH	Export Packing (if applicable)	\$ _____
1 EACH	Shipping and Handling	\$ _____
1 EACH	Installation	\$ _____
1 EACH	Training	\$ _____

**AUTHORIZED BIDDER REPRESENTATION**

Authorized Signature		Date	
Printed Name		Title	
Company Name			
Mailing Address			
City, State, Zip			
Phone No.		Federal Employer ID No.	
Fax No.		E-Mail Address	
Number of calendar days delivery after receipt of order: _____		Payment Terms: _____ Note: Net 30 is default. Early pay discounts encouraged.	
Select Payment Method:                      SUA                      ACH                      Check			
Circle one:    Individual            Partnership            Corporation			
If a corporation, incorporated under the laws of the State of _____			
Licensed to do business in the State of Missouri?    ___yes    ___no			
Maintain a regular place of business in the State of Missouri?    ___yes    ___no			

**This signature sheet must be returned with your bid.**

**ATTACHMENT A  
SUPPLIER DIVERSITY PARTICIPATION FORM**

The University of Missouri System is committed to and supports supplier diversity as an essential part of the University's mission and core values. The University's Supplier Diversity efforts reflect this mission.

Tier 2 Supplier Diversity Information - The University strongly encourages Supplier Diversity participation in all of its contracts for goods and services. Tier 2 Spend is spend reported by primary (non-diverse) suppliers of the University of Missouri who subcontract work to or make purchases from a diverse supplier. Depending upon the contract, primary (non-diverse) suppliers will be asked to submit Tier 2 information with Women and Diverse Owned companies. Suppliers have two options in reporting Tier 2 dollars depending on the terms of the contract: Direct and Indirect. Awarded suppliers may be asked to utilize CVM Solutions for reporting Tier 2 spend.

- Direct dollars - those dollars directly spent with Women and Diverse Owned suppliers in the fulfillment of the contract.
  
- Indirect dollars - based on a percentage of revenue the University represents to the supplier. An example is as follows:
  - Supplier's Total Revenues: \$10,000,000
  - Revenues from University \$: \$ 4,000,000
  - University % of Total Revenues: 40% (#2 divided by #1)
  - Total MBE Dollars \$: \$ 150,000
  - Total WBE Dollars \$: \$ 150,000
  - Total University Attributable MBE \$: \$ 60,000 (#3 multiplied by #4)
  - Total University Attributable WBE \$: \$ 60,000 (#3 multiplied by #5)
  - Total University Attributable MWBE \$: \$ 120,000 (Sum of #6 and #7)
  - University % Attributable Revenue: 3% (#8 divided by #2)

1. Does your company have a Supplier Diversity Program? If so, describe efforts your company has made to increase business with Women and Diverse Owned businesses (i.e. does your company have a policy statement, participate in outreach activities, promote diverse firm subcontracting, publicize contract opportunities, provide certification assistance, etc.?) Please provide examples (use additional pages if needed): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. If you are a non-diverse owned company, what percentage of your company's total contracting and procurement spend for the prior year was with Women and Diverse Owned businesses? Are you able to provide this information specific to University of Missouri business?

\_\_\_\_\_

\_\_\_\_\_

3. If you are a non-diverse owned company, complete the following table indicating the percentage your company will subcontract with certified Women and Diverse Owned businesses should your company be the successful bidder. Note: If your company does not plan to use Women and Diverse Owned businesses to fulfill your contract obligations, please explain why not.

Supplier Name	% of Contract	Specify Direct or Indirect

If there are questions regarding supplier diversity at the University, contact Teresa Vest, [vestt@umsystem.edu](mailto:vestt@umsystem.edu).

-----THIS FORM MUST BE SUBMITTED WITH THE BID-----

**ATTACHMENT B  
SUPPLIER REGISTRATION INFORMATION**

Completion of this section is strongly encouraged. Please review and check ALL applicable boxes.

**SMALL BUSINESS CONCERN:**  Yes  No

NOTE: The term "small business concern" shall mean a business as defined pursuant to Section 3 of the Small Business Act and relevant regulations issued pursuant thereto. Generally, this means a small business concern organized for profit, which is independently owned and operated, is not dominant in the field of operations in which it is bidding. We would consider any firm with 500 employees or less a "small business concern".

**WOMAN OWNED BUSINESS (WBE):**  Yes  No

NOTE: A woman owned business is defined as an organization that is 51% owned, controlled and/or managed, by a woman. The determination of WBE status depends solely on ownership and operation and is not related to employment. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 106-554 for more detail.

**MINORITY BUSINESS ENTERPRISE (MBE):**  Yes  No

NOTE: A minority business is defined as an organization that is 51% owned, controlled and/or managed by minority group members. The determination of minority status depends solely on ownership and operation and is not related to employment. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 95-507 for more detail.

**VETERAN BUSINESS ENTERPRISE (VBE):**  Yes  No

**SERVICE-DISABLED VETERAN BUSINESS ENTERPRISE (SDVE):**  Yes  No

Note: A Veteran or Service-Disabled Veteran business is defined as an organization that is 51% owned, controlled and/or managed by Veterans. The firm should be certified by a recognized agency (e.g., state, local, federal, etc.). Please see Public Law 109-461 for more detail.

**MISSOURI FIRM:**  Yes  No

NOTE: A Missouri Firm is defined as an organization which has and maintains within the State of Missouri a regular place of business for the transaction of their business.

**SUPPLIER'S CERTIFICATION:**

The undersigned hereby certifies that the foregoing information is a true and correct statement of the facts and agrees to abide by the laws of the State of Missouri and the rules and regulations of the University of Missouri System now in effect including any subsequent revisions thereof. Supplier acknowledges that it is his/her responsibility to keep the information current by notifying the University of Missouri of any changes.

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Signature of Person Authorized to Sign this Supplier Registration Information Form

Title: \_\_\_\_\_

Date: \_\_\_\_\_