# Mississippi State University
# Notice of Proposed Sole Source Purchase

Mississippi State University anticipates purchasing the item(s) listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

1. Commodity or commodities to be purchased (make, model, description):

- **(1x) FANUC CRX-5iA Collaborative Robot**
  - CRX-5iA Collaborative Robot CERT Cart • Six Axis Mechanical Robot • R-30iB+ mini Controller • LR HandlingTool Software & Advanced CRX Software CRX5-371 • FANUC Samsung Tablet Pendant and holder • Standard Power is 110v (220v available upon request) • Collaborative Actuated Gripper with connector cable affixed • eDocumentation FENCELESS Education Training Cart • Powder coated steel – no back panel • 180+ Degree Work Envelope CART Dimensions 48" L x 32" W • Collaborative electric actuated gripper with cable • Large easy rolling lockable (All Direction) casters • Magnetic Shapes PBL Plate • (1) Set of Manuals (Robots/HandlingTool Ops/HandlingPRO)
- **(2x) FANUC CRX iRVision 2D**
  - CRX iRVision 2D Hardware & Software Package CXV Grayscale Camera IP67 2mm Red LED (IRV-P-CXVIP6712R) camera with light
- **(2x) Swivellink® Magnetically Mounted Tabletop Variable Speed Conveyor**
  - Magnetically Mounted Tabletop Swivellink® 4-1/2"W X 36"L Variable Speed Conveyor. This conveyor can be placed onto a steel surface utilizing the magnets on the base to keep it in place. The magnets have a handle to activate the magnet on and off. Conveyor overall height (top of belt) approximately 6.75 off the table.
- **(10x) Replacement Batteries for FANUC CRX-5iA**
  - Lithium Battery Replacements for FANUC CRX-5iA Collaborative Robot

2. Explanation of the need to be fulfilled by this item(s), how is it unique from all other options, and why it is the only one that can meet the specific needs of the department:

    - The need to be fulfilled by this item is to meet grant obligations in exposing high school CTE programs across advanced manufacturing, industrial maintenance, and engineering to industry-grade automation technologies that are actively being used by manufacturers in the state of Mississippi. The industry partner associated with this grant has additionally confirmed that implementing a FANUC CRX would be relevant to helping prepare for careers within their organization.
    - The FANUC CRX 5-iA and supporting accessories are unique from other solutions in the available and already developed curricula and training that is offered through FANUC and already incorporated through the Lending Library CANVAS training modules. Additionally, training provided for the lending library CTE instructors is orchestrated through AiM UP centers across the state, which already incorporate FANUC CRX-series collaborative robots. Thus, in order to ensure alignment of training and shared curricula resources, the FANUC platform uniquely meets the needs to integrate an aligned curricula pathway from secondary to post-secondary and employment opportunities.

3. Name of company/individual selling the item and why that source is the only possible source that can provide the required item(s):

    - Sivad, Inc.
    - The FANUC America Corporation (hereinafter FANUC) Certified Education Training program (CRX-5iA Collaborative Robots) is an exclusive offer for Mississippi State University. The CERT training platform and instructor certification training provide students and instructors with curriculum and instructional guides. FANUC CERT program can only be purchased from SIVAD Inc. and is only offered to educational institutions. The FANUC CERT program and educational products are being provided by SIVAD, an exclusive FANUC Education Authorized Reseller for the state of Mississippi.

4. Estimated cost of item(s) and an explanation why the amount to be expended is considered reasonable:

    - An official quote has been provided by the supplier for the robot, vision system, conveyor, and necessary maintenance equipment in the amount of $79,210. This amount is considered reasonable in that the sale price offered is significantly discounted from the price that would be offered to a commercial or industrial customer. The price of the robotic arm was more competitive through SIVAD than public pricing of online vendors. Additionally, the package includes a rugged cart, end-of-arm-tooling, and the CERT program which offers in-kind training and software support of significant value.

5. Explanation of the efforts taken by the department to determine this is the only source and the efforts used to obtain the best possible price:

    - A sole source document was provided (attached) by the manufacturer of the stating that Sivad Inc. is an exclusive FANUC Education Authorized Reseller for the state of Mississippi.
    - Quoted pricing for the CRX 5-iA was also compared to online vendors, and the quoted pricing was lower. Also, the quoted equipment includes a base cart, end-of-arm-tooling, and CERT program, which were not included in the online vendor's pricing.

Any person or entity that objects and proposes that the commodity listed is not sole source and can be provided by another person or entity shall submit a written notice to:

Jennifer Mayfield, CPPO
Interim Deputy Director of Procurement & Contracts
jmayfield@procurement.msstate.edu
Subject Line must read "Sole Source Objection"

The notice shall contain a detailed explanation of why the commodity is not a sole source procurement. Appropriate documentation shall also be submitted if applicable.

If after a review of the submitted notice and documents, MSU determines that the commodity in the proposed sole source request can be provided by another person or entity, then MSU will withdraw the sole source request publication from the procurement portal website and submit the procurement of the commodity to an advertised competitive bid or selection process.

If MSU determines after review that there is only one (1) source for the required commodity, then MSU will appeal to the Public Procurement Review Board. MSU will have the burden of proving that the commodity is only provided by one (1) source.