

	STATE FAIR COMMUNITY COLLEGE FACILITIES MANAGEMENT 3201 WEST 16TH STREET SEDALIA, MISSOURI 65301-2199 660-596-7200	Bid Request
		25-016
		The above number must appear on all quotations and related correspondence. This is not an order.
VENDOR		
		We reserve the right to reject any or all bids. FOB Destination SFCC is tax exempt. Please put bid number on front of envelope. Bid is good for 60 days.
DATE ISSUED: January 2, 2025	THIS REQUEST IMPLIES NO OBLIGATION ON THE PART OF SFCC	BID DEADLINE: 10:00 am CST on February 3, 2025
BID SPECIFICATIONS:		

REQUESTED BY: Michael Leonard Dean - Technical Education & Workforce Innovation Career and Technical Education

State Fair Community College is requesting sealed proposals for an Unmanned Aircraft Systems (UAS) and supporting equipment to support precision agriculture spraying/seeding operations, agriculture scouting/mapping operations and a Real-Time Kinematic positioning system within the agriculture department's programs.

Specifications are listed below:

1. All equipment must be National Defense Authorization Act (NDAA) compliant as outlined in the Blue or Green UAS programs or in process to becoming certified
2. An Agricultural Spraying/Seeding Drone with the following capabilities
 - a. Minimum 4-gallon liquid tank
 - b. Minimum 2-gallon dry product spreader tank
 - c. 360 obstacle avoidance radar
 - d. Integrated high definition (HD) First Person View (FPV) video camera
 - e. Minimum 20' spray width capability (liquid and granular)
 - f. Minimum application rate of 20 acres per hour at a 1 gallon per acre rate
 - g. Real-time kinematic (RTK) compatible
 - h. Can be either fuel or battery powered
3. An Agricultural Scouting/Mapping Drone with the following capabilities
 - a. Can be rotary or fixed winged aircraft
 - b. Can be either fuel or battery powered
 - c. 360 obstacle avoidance radar
 - d. Minimum flight time with payload 30 minutes
 - e. Real-Time Kinematic (RTK) compatible
 - f. Include multispectral camera payload (RGB, red edge and near-IR) and adapters
 - g. Include onboard removable storage minimum of 1 TB
 - h. Preference for payload with panchromatic and thermal sensors. Provide all compatible options
 - i. Provide Field of View (FOV) for each sensor

4. Real Time Kinematic Ground Station System
 - a. Include receiver (above drones) and expansion options into other agricultural equipment
 - b. 8-hour minimum battery operation time.
 - c. Minimum 2-mile radius working service area
 - d. Minimum 1- inch accuracy signal correction
5. Controller, autonomous and manual control function options
6. Complete set of rechargeable batteries per drone (if applicable)
7. Spare set of rechargeable batteries per drone (if applicable)
8. Automatic battery chargers and capacity (if applicable)
9. Spare part kit options per drone
10. Mission planning software, mapping software (agricultural indices capabilities included, e.g., RGB, NDVI etc.) requirements and options per drone
11. Delivery/Freight requirements/inclusion
12. Warranty parameters
13. FAA regulatory requirements and process assistance (FAA 14 CFR Part 137, 14 CFR Part 107 and/or 14 CFR Part 91).
14. Available phone/onsite support
15. Available training

All questions should be directed to:

Michael Leonard
Dean - Technical Education & Workforce Innovation
Career and Technical Education
660-596-7402
Mleonard4@sfccmo.edu

GENERAL CONDITIONS AND TERMS

- Bids must be signed and submitted on this form.
- Any exceptions must be noted on this form.
- Bid Responses are not valid if unsigned or not received by deadline date.
- Bids may be sent by e-mail to cbrown17@sfccmo.edu
- The College reserves the right to waive any minor technicalities in bids when deemed in the best interest of the institution.
- Per RSMo § 34.040 The College reserves the right to reject any or all bids, in whole or in part, and to accept the bid deemed most advantageous to the institution, even if it is not the lowest bid.
- Per RSMo § 34.042 Award shall be based on the best value to the College, considering factors such as quality, price, vendor reputation, and ability to meet required timelines.
- Per RSMo § 34.070 Preference shall be given to Missouri vendors in accordance with Missouri law, provided their bids are competitive in terms of quality and price.
- Per RSMo § 34.353 Preference will be given to products manufactured in the United States, provided the quality and price are comparable to non-domestic goods.
- The College shall not discriminate based on race, color, religion, sex, national origin, or other legally protected categories when evaluating bids.
- Vendors must comply with all applicable federal, state, and local laws and regulations, including the **Americans with Disabilities Act (ADA)**, as amended.
- Vendors must comply with all applicable federal and state affirmative action requirements and must not discriminate in hiring or employment practices.
- The College encourages participation by local, minority-owned, and women-owned businesses.
- Vendors must disclose any potential conflicts of interest involving current or former College employees or Board members.
- College does not prepay or accept COD shipments on awarded bids. Payment terms will be net 30 after acceptable receipt of goods. Vendor response to this Bid Request indicates Vendor accepts College payment policies and purchasing Terms and Conditions.

BID RESPONSE DEADLINE: All bids must be received in the **Facilities Management Office** no later than 9:00 A.M. CST on

February 3, 2025

(Please print)

Name: _____

Signature: _____

Phone: _____

Email: _____

Date: _____ (Prices good for 60 days.)