



MISSISSIPPI STATE
UNIVERSITY™

INVITATION FOR BIDS

OFFICE OF PROCUREMENT & CONTRACTS

1. INSTRUCTIONS FOR BIDDERS

- a. Sealed bids will be received in the Office of Procurement & Contracts, Mississippi State University, for the purchase of the items listed herein.
- b. All bids must be received in the Office of Procurement & Contracts on or before the bid opening time and date listed herein. Delivery of bids must be during normal working hours, 8:00 a.m. to 5:00 p.m. CST, except on weekends and holidays when no delivery is possible.
- c. Bidders shall submit their bids either electronically or in a sealed envelope.
 - i. Sealed bids should include the bid number on the face of the envelope as well as the bidders' name and address. Bids should be mailed to: 245 Barr Avenue, 610 McArthur Hall, Mississippi State, MS 39762.
 - ii. At this time we only accept non-ITS bids electronically. For electronic submission of bids, go to: https://www.ms.gov/dfa/contract_bid_search and use the RFX number on the next page as your reference number.
- d. All questions regarding this bid should be directed to the Office of Procurement & Contracts at 662-325-2550.

2. TERMS AND CONDITIONS

- a. All bids should be bid "FOB Destination"
- b. Bidders must comply with all rules, regulations, and statutes relating to purchasing in the State of Mississippi, in addition to the requirements on this form. General Bid Terms and Conditions can be found here:
https://www.procurement.msstate.edu/procurement/bids/Bid_General_Terms_May_2019_V2.pdf
- c. Any contract resulting from this Invitation for Bid shall be in substantial compliance with Mississippi State University's Standard Contract Addendum:
<https://www.procurement.msstate.edu/contracts/standardaddendum.pdf>

Bid Number/RFX Number: 19-89/RFX#3160003269

Opening Date: November 21, 2019 @2:00 p.m.

Description: Two Plot combines

Vendor Name: _____

Vendor Address: _____

Telephone Number: _____

Days the Offer is Firm: _____

Authorized Signature: _____

Name: _____

Title: _____

Item	Quantity	Description	Unit Price	Total Price
1	1	Plot combine to harvest rice		
2	1	Harvest plot combine		

Item #1 – Plot combine to harvest rice

1. Cab Enclosure:

- a. A/C, and Heater with AM/FM Radio
- b. Dust filtration and fan capabilities
- c. Spring and/or other ergonomically supported driver's seat for ride comfort
- d. Adjustable steering column
- e. Levers for steering control and driving selections
- f. Safety / tempered glass
- g. Windshield wipers
- h. Front / rear lighting and convenience lighting in cab
- i. Displays for speed indicator, threshing speed, grain tank indication, fuel, temperature other key controls
- j. Cab with hydraulic forward movement to access threshing unit and/or perform maintenance on systems

2. Engine:

- a. Must have at minimum 85HP class turbo charged diesel engine
- b. Must have at minimum 30+ gal fuel tank capacity

3. Powertrain:

- a. Rubber track system
- b. Hydrostatic drive with variable speeds of approx.. 5mph and 12mph
- c. Hydraulic steering system

4. Clean out system:

- a. Pneumatic clean out of header and threshing case with push button controls
- b. Conveyor belt in threshing case for efficient seed transport and easy clean out
- c. Cleaning blower and cab adjustable controls for speed

5. Threshing system:

- a. Spiked threshing drum and concave for rice harvest
- b. Controls in cab for adjustment of concave clearance front and rear
- c. Threshing cylinder of approx. 30" width and 14" diameters
- d. Electronically adjustable threshing speeds from approx. 300 to 2000 rpms

6. Grain Separation system:

- a. Exchangeable shaker with 2 steps
- b. Double sieve with adjustable upper and lower sieve for rice harvest

7. Seed Delivery system:

- a. Pneumatic grain delivery to weighing system
- b. Grain transfer delivery to cab for sub sampling
- c. Grain tank sampling capability
- d. Full size or volume defined sample capabilities
- e. In-cab and grain tank sampling
- f. Stainless steel discharge auger, delivery and cyclone components
- g. Operator seat for sample collection and processing
- h. Approx. 40 bushel holding capacity grain tank with an unloading height of approx. 10'

8. Header system:

- a. Header with approx. 59" cutting width
- b. Feeder housing with chain
- c. Clean out activation at end of plots
- d. Emergency stop controls (ex. Cutter bar)
- e. Reverse drive on auger
- f. Crop divider settings for left / right control
- g. Hydraulic controls of cutting height from approx. -4" to 38"
- h. 2 reel brushes
- i. 6 crop lifters

9. Weighing system:

- a. Must have Harvestmaster high capacity grain gage/weighing system for compatibility of existing assets
- b. Electronic recording of plot weights
- c. Electronic recording of volume weight
- d. Moisture sensors and display
- e. Continuous harvest features for strip testing or long plots
- f. Tablet PC with harvesting software to establish field plan and data collection
- g. Rear-view camera with in-cab monitoring and 1 camera
- h. Opening in cab for roller conveyor inspection and sample storage space outside cabin
- i. Radio
- j. Training
- k. Compatibility with existing harvest systems at DREC

10. References:

- a. References for at least 3 similar full-track systems delivered in the US within the previous 5 years

Item #2 – Harvest plot combine

1. Cab Enclosure

- a. A/C, and Heater with AM/FM Radio
- b. Extra passenger seat for sample collection and processing
- c. Must have grain transfer delivery to cab for sub sampling
- d. Front and rear lighting package.

2. Engine:

- a. Must have at minimum 90 HP turbo charged 4-cylinder diesel
- b. Must have at minimum 35 gal fuel tank capacity

3. Powertrain

- a. 3 speed transmission with hydrostatic drive
- b. 4x4 rear wheel assist
- c. Wheel spacing must be adjustable (rear axle and front spacers) to be set for 40" or 30" on center rows.

4. Must have single high capacity grain gage system to include the following

- a. Will collect sample weight, sample moisture, and test weight automatically. Must provide hard copy data printout or electronic data printout. Must have in-cab sampling capability. Data system is able to harvest strip plots nonstop and automatically total and combine sub sample data. Must have an air return system from weighing system to cab for sampling.

- b. Level detection
 - c. Field research software –with harvest module and notetaking Capability
 - d. Compatibility with existing harvest systems at DREC
- 5. Header options**
- a. 2.0-meter grain table with crop lifters, must have the ability to float on the without tires, and be capable of harvesting plots with multiple row spacing's (6" to 40" rows or solid seeded rows).
 - b. 2-row corn head option for 40" rows
 - c. Cleaning brushes on reel.
 - d. Electronic reel adjustment forward/inward.
- 6. Straw Chopper**
- 7. Electronic switch to reverse the throat for clogs.**
- 8. Must have on board air compressor for cleanout in the field.**
- 9. Must have a universal type concave for all crops.**
- 10. Must have straw walkers with adjustable cleaning sieve.**
- 11. Must have cylinder slow down capability (cylinder speed 300-800 rpms)**
- 12. Must be capable of harvesting lodged crops or weed infested crops with ease.**

ITEMS WILL BE AWARDED PER LINE ITEM, LOW BIDDER