

**Mississippi State University**  
**Notice of Proposed Sole Source Purchase**  
**245-36**

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):**

10 each, 5 HP electric tailwater recirculating rice pumps. Primary system components include a catch basin with dual inlets and an electric, variable speed, water lubricated pump capable of flows between 800 and 1750 GPM @ 11 TDH.

**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:**

These items will help MWRRRI meet the deliverables of a current, multi-state, USDA-NRCS project centered around recirculating tailwater in rice production systems. This item is unique because it is the only commercially available pump configuration designed specifically for recirculating water without excavating a tailwater recovery basin. Therefore, as it is the only one commercially available, it is the only pump that can meet our needs to fulfill project obligations.

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

Chicot Irrigation is the company selling the items listed. Chicot Irrigation is the only company prepared to deliver the required items because they are the only company that manufactures a recirculating pump for use in rice production.

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

The estimated cost of the items is projected to be \$298,696. This is considered to be a reasonable amount because it is similar to the cost of pumps used in similar applications, such as groundwater wells, and because Chicot Irrigation is the only manufacturer of a pump designed to recirculate tailwater in rice production.

**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:**

Chicot irrigation is the only source from which we can obtain this pump because the process of recirculating tailwater in row crop agriculture is protected by US Patent number 11,178,828 B2 and the patent holder has granted permission to Chicot Irrigation to manufacture these pumps for this federally funded project. Furthermore, the efforts we made to obtain the best possible price included comparing the quoted price to similarly sized pumps employed in agricultural settings and finding that prices were comparable.

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](mailto: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.