Texas A&M AgriLife Research
Invitation To Bid #AG-RSCH-ITB-1627
Bid Specifications

HYPERSPECTRAL IMAGING SYSTEM

Texas A&M AgriLife Research is currently accepting bids on a Hyperspectral Imaging System that meets or exceeds the following specifications:

- Hyperspectral Imaging Cameras (one or two). These imagers will be used with Airborne, Lab, and Field setup.

    - Imaging capacity of at least 400-1700nm
    - Spectral resolution less than 5nm, and
    - Max frame rate of at least 200fps.

    As noted, one or two cameras are acceptable as long as the above specifications are met.

- Airborne, Lab, and Field system setup (including lenses) for the hyperspectral imaging cameras above.

    - Unmanned Aircraft Systems (UASs) and gimbal are not required but can be included if they are a part of the Bidder's hyperspectral imaging system.
    - All other hardware and software components (e.g., airborne control unit, lens, software, and lighting for lab setup) shall be included. The airborne system shall have the capacity to be mounted on commercially available systems such as Matrice 600 and ALTA 8.

- Calibration system for Airborne, Lab, and Field setup.

- Radiometric calibration of the equipment.

- Software to acquire, geo-rectify, calibrate, align, and process data with the capacity to extend through plugins. The software shall work on all setups (Airborne, Lab, and Field).

- Bids should include evidence of past usage in agricultural or other scientific domains.

- Training in the United States. Bids shall state where the training will occur. If the Bidder can provide training at their location or the Agency's location, bid pricing shall be provided for both locations. The Agency will determine which training location best meets our needs.

- Shipping, F.O.B. Destination, to the Agency.