



Attachment C – Specifications

RFx # 3000022794

Title: *Fax Bid* Drones for LDH

This requisition is to purchase 9 drones (total) for the Louisiana Department of Health, one per region. This is a one-time buy. All bids must be for 9 drones with the same manufacturer and model number. Please note all drones must be manufactured in the United States in order to meet the requirements outlined in the 2024 National Defense Authorization Act. The drones are used to monitor public drinking water systems in the State of Louisiana some of which are on federal properties.

The drones will need to be shipped to the nine regional addresses contained in Attachment C.

Drones must meet all specifications in the table below

Flight Time	≥ 30 Minutes
Effective Pixels	≥ 48 megapixels
Standardized Video Resolution	4K (2160p)
Video Resolutions(s) and Frame Rate(s)	1080p @ 200 FPS
Photo Resolution	4032 X 3024
Field of View	≥ 75 degrees
Minimum Gimbal Tilt	-90 to 20 degrees
Digital Zoom	≥ 4x
Video Encoding Formats	MP4, H.264, H.265
Image File Format(s)	JPEG, PNG
Image Sensor Type	CMOS
Minimum Operating Temperatures	≤ 15 degrees and ≥ 105 degrees (Fahrenheit)
Operating System Compatibility	Android, Apple iOS
Global Positioning	United States Global Positioning System (GPS)
Frequency Band	2.4 GHz, 5.73 GHz



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Memory Card Capability	microSD, micro SDHC, microSDXC
Built in Storage	≥ 2 gigabytes
Expandable Memory	≥ 500 gigabytes
Battery Type	Lithium-ion Rechargeable
Battery Capacity	≥ 3850 milliampere hours
Charging Interface	USB Type C
Charging Time	≤ 120 minutes
Control Type	Remote Control and ability to connect to iOS and Android devices
Autonomous Flight Modes	Circle, Hover, Landing, Low battery auto-landing, Return to take-off point, Follow user
Obstacle Avoidance Technology	Omnidirectional
Flight Distance	≥ 10 Miles
Transmission Distance	≥ 10 Miles
Wind Speed Resistance	≥ 20 mph
Altitude	≥ 3000 meters
Number of Rotors	4
Maximum Weight with Battery	500 grams
Remote ID	<p>FAA Remote ID Capability Built Into Drone Drone Broadcast from Takeoff to Shut down:</p> <ul style="list-style-type: none"> ● Drone ID ● Drone Location and Altitude ● Drone Velocity ● Control Station Location and Elevation ● Time Mark ● Emergency Status
Country of Origin	Drones must be manufactured in the United States in order to comply with federal requirements.
Warranty	Full Warranty of ≥ 1 year



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The following conditions, unless otherwise stated in the bid document, will apply to all orders:

- Pricing for all line items must include all shipping, handling, and other fees.
- Payment to contractor will only be made in accordance with the following conditions
 - Invoices must reference the state's purchase order number, and reflect the quantity billed by purchase order line number.
 - Bills of lading, packing slips, and/or other related shipping papers must reference the state's purchase order number and reflect the quantity shipped by purchase order line number.
 - The state is not responsible for goods delivered or work done without a written task order. No allowance for boxing or crating. Unauthorized quantities in excess of this order will be returned or held subject to Shipper's order, expense and risk.
 - Contractor warrants that the goods or service to be furnished hereunder will be in full conformity with the specifications, drawing or sample and agrees that this warranty shall survive acceptance of the goods or service and that contractor will bear the cost of resampling the rejected goods or service.
 - All rejected goods or service will be held at contractor's risk and expense, subject to contractor's prompt advice as to disposition. Unless otherwise arranged, all rejected goods or service will be returned at contractor's expense.
 - Contractor will, at its expense, defend the state against any claim that any goods or service to be furnished hereunder infringes a patent or copyright in the United States or Puerto Rico, and will pay all cost of damages and attorney's fees that a court finally awards as a result of such claim.
- Payment will be made within 30 days of receipt of an invoice or within 30 days of receipt of the goods, whichever comes later.