



**ZONAL AGRICULTURE RESEARCH STATION**  
**SINDEWAHI - 441222, Dist. CHANDRAPUR**  
**DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA**

No.ADR/ZARS/ Agriculture Drone/ 746/2024

Dated: 07/11/2024

**Quotation/ Rate inviting letter**

To,

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**Subject: Quotation/rate inviting for Agriculture Drone (Agrochemical spraying and granules broadcasting)**

Sir,

It is requested to quote the competitive rates of Agriculture Drone specified below. The quotation should reach this office on or before 20/11/2024 Within Office hours.

Sr. No.	Item	Technical Specifications	Unite Rates (Rs.)
1	Agriculture Drone (Agrochemical spraying and granules broadcasting)	<p><b>UAS Details</b></p> <ul style="list-style-type: none"><li>• Category - Rotorcraft (RPAS).</li><li>• Class - Medium.</li><li>• Maximum all up weight (including payload) in kg – 28.13.</li><li>• Overall dimensions (l x b x h) in mm -1915.0 x1915.0 x 582.0.</li></ul> <p><b>Payload details</b></p> <ul style="list-style-type: none"><li>• Details of each Compatible Payload – Sprayer tank with maximum allowed capacity of 10 litres or 10 Kg. and FPV Camera along with granules broadcaster.</li><li>• Variable load – Consumables - Pesticides, organic fertilizer, Plant nutrient (Agrochemicals) &amp; Granules</li></ul> <p><b>Power plant Details</b></p> <ul style="list-style-type: none"><li>• Engine / Motor – BLDC motor</li><li>• Power Rating – 2400 watts</li><li>• No of engines/ Motors – 6</li><li>• Battery Capacity (mAh) -25200.0 mAh, Lithium ion.</li><li>• Battery Charger.</li><li>• Propeller details Diameter, Max RPM - Diameter- 24 inches, pitch 8, Max RPM – 5520</li></ul> <p><b>Equipment details</b></p> <ul style="list-style-type: none"><li>• GNSS</li><li>• Flight control Module</li><li>• Geo- fencing capability</li></ul> <p><b>Performance Details</b></p> <ul style="list-style-type: none"><li>• Maximum endurance (hr/m) – 23 minutes</li><li>• Maximum Range – 1.5 km</li><li>• Maximum height attainable / Maximum ceiling height (in ft.) - 98.43 ft.</li><li>• Operating altitude(ft.) – 98.43 ft.</li><li>• Maximum battery temperature -50.0 deg C</li><li>• Propeller Limit (Maximum)- 5520</li></ul>	



		<ul style="list-style-type: none"> <li>• Obstacle detection and avoidance- Radar based sensor in-front and back</li> <li>• Smart range battery fail safe.</li> </ul>	
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### Mandatory Requirements

- Approval and certification – DGCA Approved , UIN, Type certificate
- Pilot Licensed training for one person/ servant from DGCA Approved RPTO
- OEM product training.
- Additional battery pairs -02 pairs
- AMC- comprehensive
- Insurance RPA/Drone- Hull & Liability insurance

### Terms and conditions

1. While quoting the prices, the instruction on the overleaf may please be noted carefully.
2. The quotation should be sent in sealed envelope.
3. On the envelope following should be clearly mentioned in block capital letter. (quotation for Purchase of drone)
4. The rates quoted should be inclusive of all taxes, material, freight any other charges if any.
5. Conditional quotations are liable to be rejected.
6. Quotation received after due date will not be considered.
7. Payment bill can only be made after satisfactory work.
8. The right to accept or reject whole or the part of quotation is reserved with the undersigned without assigning reason thereof.
9. No deviation to the specification of product, if any certificate may be enclosed.
10. Door delivery at Zonal Agriculture Research Station Sindewahi. Dist. Chandrapur (MS) 441222.



Associate Director of Research  
Zonal Agriculture Research Station  
Sindewahi, Dist. Chandrapur