



AGRICULTURAL RESEARCH COUNCIL

SPECIFICATION FOR CO0022507RFQ00000001

**Provision of Drone Surveillance Services for the Agricultural Research Council at
ARC-AP, Irene for a Period of One (1) Month**

Bidder's Name:.....

CSD number:

Total Price:

PROVISION OF DRONE SURVEILLANCE SERVICES FOR THE AGRICULTURAL RESEARCH COUNCIL AT ARC-AP, IRENE FOR A PERIOD OF 1 MONTH

1. BACKGROUND

The Agricultural Research Council (ARC) is a Research Science and Technology institution of excellence in South Africa. The ARC has a mandate for innovative and creative agricultural research, technology development and transfer aimed at the advancement of South African agriculture. Its operations are overseen by the ARC Council which is appointed by and accountable to the Minister for Agriculture.

As part of the ongoing efforts to ensure workplace safety and compliance with security standards, the ARC requires The Agricultural Research Council (ARC) requires the services of suitably qualified and SACAA-compliant drone service provider for aerial monitoring and rapid surveillance coverage at its ARC-AP Irene site. The intention is to deploy advanced drone technology to complement physical security operations and enhance response capacity.

2. SCOPE OF WORK

The appointed service provider shall render the following services:

- Deploy one (1) surveillance drone with spare units, 7 days a week
- Conduct night shift aerial surveillance operations between the hours of 18:00 and 06:00 (12-hour shifts).
- Execute 3 hours of cumulative flight time per shift. (Deployment times to be agreed between ARC and Service Provider).
- Provide drone pilots with valid Remote Pilot License (RPL).
- Provide equipment capable of visual and thermal monitoring.
- Ensure compliance with SACAA regulations and site-specific safety protocols.
- Submit daily operational reports and a comprehensive end-of-service report.

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3. ADMINISTRATIVE REQUIREMENTS

3.1 Contractors shall provide to the ARC (accompanying the bid document on the closing date/time) with the following administrative and compulsory information as listed in the below format:

- a) A valid Tax PIN number from SARS.
- b) Standard Bidding Documents (SBD forms)
- c) Central Supplier Database report (CSD report) showing a tax compliant status for the during of the bidding process.

Note: Failure to submit the above-mentioned required information together with the bid document on the closing date may result in the contractor's bid to be rejected.

4. COMPULSARY REQUIREMENT

- Valid company registration with the Private Security Industry Regulatory Authority (PSIRA).
- Copies of identification documents of all company directors and PSIRA certificates.
- Letter of good standing with PSIRA
- Proof of registration with the Compensation for Occupational Injuries and Diseases Act (COIDA).
- Valid Public Liability Insurance (minimum R5million).
- Three references letters of successfully completed related projects.
- Valid Remote Operator Certificate (ROC) from SACAA.
- Valid SACAA special authorization to the ROC aligned with Operations Specification:
 - Operators are authorized for BVLOS operations.
 - Beyond Visual Line of Sight (BVLOS) up to 7km
 - Autonomous Flight Capabilities with Offsite pilot
- Valid Air Service Licence (ASL) from Department of Transport
- Valid Remote Pilot Licence (RPL) for Pilots, with BVLOS endorsement,
- Valid RPAS Letter of Approval (RLA) for all Drones
- 1500 feet Above Ground Level (AGL) certification

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- Inclement Weather Certification
- Night flights Certification
- Security flights Certification

Drone Specifications (Per Unit)

Feature	Specification
Flight Time	30 minutes per flight (at 25 km/h windless)
Wind Resistance	10 m/s (Scale 5)
Transmission Distance	10 km HD Video Transmission
Obstacle Avoidance	Omnidirectional Obstacle Sensing System
Accessories	Spotlight, Loudspeaker, Visibility Beacon

Camera Payload Specifications

Daytime Visual Camera	Thermal Imaging Camera
48 MP Sensor	640 x 512 Thermal Resolution
1/2" CMOS Sensor	Frame Rate: 30 Hz
4x Lossless Optical Zoom	16x Digital Zoom
32x Digital Zoom	Temperature Accuracy: ±2°C

OPERATIONAL REQUIREMENTS

Component	Description
Deployment Period	1 Month
Shift Operation	1 x 12-hour night shift daily, 7 days a week
Flight Time Per Shift	Minimum 3 hours total flight time (divided as needed)
Drone Operators	1 x Pilot (SACAA Certified) per shift
PPE	All pilots to wear PPE while operating on site. All required PPE for drone operations must be supplied by the service provider.
Compliance	Must comply with SACAA requirements (ROC, RPL, Ops Manual)
Project Oversight	End-to-end management of service, reporting, and compliance
Data Storage & Archiving	Secure cloud or local storage for video/thermal data for review/reporting.

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5. PRICING STRUCTURE/ DETAILS OF REQUIREMENTS

SPECIFICATION AND PRICING SCHEDULE

Service Providers must provide rates as follows:

Item	Unit	Total
Drone Unit (incl. accessories & spares)	1	R
Drone Operator	Per month	R
Visual/Infrared Surveillance Payload (camera kit)	Per month	R
Thermal processing/Monitoring workstation	Per month	R
Reporting	Per month	R
Project Management	Per month	R
SACAA Compliance & Flight Permissions	Per month	R
Total cost (excluding VAT)		R
VAT		R
Grand Total		R

Note: All pricing must include equipment, insurance, data storage, licenses, maintenance, and reporting unless otherwise specified. Pricing to cover 31 days per month

6. GUARANTEES

- The service provider shall guarantee the compliance and performance of the equipment and service in line with SACAA, ISO, and relevant drone operational standards and legislation. Details regarding coverage, limitations, and response protocols for failures must be documented.