



Province of the
EASTERN CAPE
COOPERATIVE GOVERNANCE
& TRADITIONAL AFFAIRS

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ADDENDUM OF THE SPECIFICATION

APPOINTMENT OF A SERVICE PROVIDER FOR SUPPLY, DELIVERY, TRAINING, LICENSING AND MAINTENANCE OF TWO INTEGRATED COMMERCIAL MULTI ROTOR DRONES FOR THE DEPARTMENT OF COOPERATIVE GOVERNANCE AND TRADITIONAL AFFAIRS: SCMU7-22/23-0009

PURPOSE

The purpose is to seek approval from the Head of Department to include information on the Specification to solicit proposals from potential and competent bidder(s) for appointment of a service provider for supply, delivery, training, licensing and maintenance of two integrated commercial multi rotor drones for the department of cooperative governance and traditional affairs.

BACKGROUND

The project was advertised on the tender bulletin dated 09 December 2022, e-tender portal dated 09 December 2022, and departmental website dated 13 December 2022. As per the advert, the closing date was the 02 February 2023.

A non-compulsory hybrid briefing session was held on the 17 January 2023, and it was advised that the suppliers should be provided with a spreadsheet as a guide to ensure that they are submitting what is expected in terms of the features and specification. The Bid number must also be confirmed as SCMU7-22/23-0009 not SCMU7-22/23-0003 as reflected on the headers of each page. Subsequent to the deliberations in the session a resolution was made that an

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COOPERATIVE GOVERNANCE AND TRADITIONAL AFFAIRS: SCMU7-22/23-
0002:**

RECOMMENDED / ~~NOT~~ RECOMMENDED



ACTING CHIEF FINANCIAL OFFICER

20/01/2023

DATE

APPROVED / ~~NOT~~ APPROVED



MR. A.A. FANI

HEAD OF DEPARTMENT

**DEPARTMENT OF COOPERATIVE GOVERNANCE AND TRADITIONAL
AFFAIRS**

DATE 20/01/2023

14.1. Minimum Specification

Minimum Specification	
1	Payload (max): 2.5kg
2	Max take-off and landing altitude 3600 to 4000m above sea level
3	Max take-off weight (MTOW): 9.0 kg
4	Mission radius: 8km
5	Endurance: 45 minutes (zero wind)
6	Service ceiling: 5000m above sea level
7	Environmental adaptability: minus 20 deg to 50 deg Celsius
8	High performance broadband data link
9	Strong anti-interference capability
10	Intelligent anti stall
11	Obstacle detection and avoidance capability
12	Drone to be fitted with a tracking device to prevent theft, tracing and recovery
13	Strong wind capability up to 15m/ sec (landing and take-off 12m/sec)
14	High precision real time target tracking and positioning, remote command, and control
15	Must be able to take multiple camera payloads
16	Flexible deployment
17	Easily portable
18	Enhanced environmental EMC (electromagnetic compatibility) adaptability
19	Payload capability with dropping mechanism
20	Payload capability to include precision floodlighting.
21	One (1) Generator per drone to charge the charging station (batteries).

14.3 Interchangeable "Compatibility"

Minimum Specification	
1	Multi array multi spectral camera's (one for each drone) <ul style="list-style-type: none"> - Six band multi spectral and RGB (red, green, blue) plus near infrared (NIR) camera combination – interchangeable - Multi spectral camera resolution (420 to 1000m) - Module based: CPU + sensor + lens + filter - User supplied programming application for camera control - 1-year warranty on the camera's
2	Dual lens camera HD 23X zoom and thermal imagery for each drone <ul style="list-style-type: none"> - Full high definition (HD) with 23x optical zoom camera with anti-vibration compensation - High sensitivity night vision modes in HD camera - Advanced noise reduction technology - Auto infrared (IR) cut filter function - Wide digital image processing technology - Full real-time data streaming and control during the flight - IR camera resolution: 640x 512 pixels at 30 Hz - Scene range: minus 20 deg to plus 150 deg C

-	Temperature sensitivity of 0.04 deg C
-	Spectral range of 7.5 to 13.5 μm /uncooled Vox microbolometer
-	Lens 7 to 120mm (66° to 4 °)
-	Digital zoom: max 200 x (optical and digital)
-	1-year warranty on the camera's

4 Provide a precision floodlight as part of the possible payload for each drone

Note: The Tenderer is to provide a response to each minimum specification item, either of compliance with the specification. An alternative specification may be proposed provided it is accepted as an industry

15 (Annexure "A")

[illegible]

1e" Payload Cameras

Tender Response (see Note below)

[illegible]

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the actual specification for the craft to be supplied or a Yes or No in terms
provided that it fulfils the requirements of the minimum specification or is
/ standard.