



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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addendum be made in relation to the Specification paragraph 14.1 (see attached as annexure "A").

RECOMMENDATION

In view of the above, it is recommended that the Head of Department approves the addendum 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.



END USER

18.01.2023

DATE



CHAIRPERSON: BID SPECIFICATION COMMITTEE

18 January 2023

DATE

RECOMMENDED / ~~NOT RECOMMENDED~~

In line with the resolutions of the briefing session



ACTING DIRECTOR: SUPPLY CHAIN MANAGEMENT

2023/01/19

DATE

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:

RECOMMENDED / ~~NOT RECOMMENDED~~



20/01/2023

ACTING CHIEF FINANCIAL OFFICER

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 Specifications (Annexure "A")

Minimum Specification	Tender Response (see note below)
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 Inertial and GPS	
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/s (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 precise floodlighting	
21 One (1) Generator per drone to charge the charging station (battery).	

14.3 Interchangeable "Compatible" Payload Cameras

Minimum Specification	Tender Response (see Note below)
1 Multi array multi spectral camera's one for each drone) <ul style="list-style-type: none"> - Interchangeable - Six band multi spectral and RGB (red, green, blue) plus near infrared (NIR) camera combination – - Multi spectral camera resolution (420 to 1000nm) - 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 micrometers Var 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 the actual specification for the craft to be supplied or a Yes or No in terms of compliance with the specification. An alternative specification may be proposed provided that it fulfills the requirements of the minimum specification or is accepted as an industry standard.