

REFERENCE NUMBER:

PG/OPS 868/25



TITLE: PURCHASING OF NEW DRONE & ACCESSORIES FOR PROJECT GREEN

Date Published: 12th December 2025

Site Visit: N/A N/A

Deadline for Submission of Offers: 19th December 2025 at 23:45 hrs CEST

Project Green

Avenue 77, Triq Negozju, Zone 3
Central Business District, Birkirkara CBD3010
<https://projectgreen.mt>

Section 1: Instructions to Economic Operators

- 1.1 Response to this RfQ is to be submitted by email on the following email address:
Procurement.pg@projectgreen.mt
- 1.2 All submissions will be dealt with in strictest confidence.
- 1.3 Participation Fee is Free.

Note: The Contracting Authority shall reserve the right to accept or reject offers exceeding €5,000 exclusive of VAT.

Section 2: General Information

2.1 Purpose

The purpose of this RfQ is the supply and delivery of a single (1) drone/unmanned area vehicle (UAV) and accessories (both collectively referred to hereunder as 'the Equipment') for the Quality Control and Research & Development (QR&D) Team at Project Green (the Contracting Authority - CA).

2.2 Scope and Terms & Conditions

The Equipment shall be delivered to Project Green, Avenue 77 Birkirkara or as otherwise indicated by the CA. Further contact details will be provided after the award of the contract. The Equipment is to be supplied in accordance with the technical specifications forming part of this RFQ.

The Contractor shall be subject to a penalty for delay of €50 per day inclusive of Saturdays, Sundays and Public Holidays for any delays over the period of performance stated above. The CA reserves the right to terminate the contract without notice when the penalties reach a value amounting to 30% of the contract price.

2.3 Specifications

2.3.1 The Equipment is to be delivered in accordance with the below specifications. In addition, the following EU regulatory standards must be met in order for the Equipment to be deemed as legal and safe to operate within EU countries: Regulation (EU) 2019/947 and Regulation (EU) 2019/945.

2.3.1.1 UAV Performance Specifications

The UAV shall have the following performance specifications:

Requirement	Specification	Notes
Max Flight Time	Minimum 45 Minutes	Essential for covering large areas efficiently.
Max Horizontal Speed	Minimum 15 m/s (approx. 34 mph)	For efficient area coverage during mapping missions.
Wind Resistance	Minimum 12 m/s (approx. 27 mph)	Ensures reliable operation in various weather conditions.
Operating Temperature	-10°C to 40°C (14°F to 104°F)	For operation in diverse environments.
Ingress Protection (IP)*	IP54 rating or higher (if available)	For robust performance in challenging environments.

*IP is essential for ensuring that electrical equipment complies with the international standard, protecting it from environmental hazards like water, dust, and debris.

2.3.1.2 Imaging System (Wide Camera)

The UAV shall be provided with an integral imaging system with the following specifications:

Requirement	Specification	Notes
Sensor Type	4/3-inch CMOS or larger	Provides high image quality and better low-light performance.
Effective Pixels	Minimum 20 MP	For high-resolution data capture suitable for survey-grade results.
Shutter Type	Mechanical Shutter	Crucial for eliminating motion blur and rolling shutter artifacts in mapping, with speeds up to 1/2000s.
Interval Shooting	Capability for rapid capture (for example, but not limited to, a 0.5-second interval)	For high-speed data acquisition during flight.

2.3.1.3 Additional Sensors

The UAV shall have the following integral sensors deemed especially required for inspections:

Requirement	Specification	Notes
Telephoto/Zoom Camera	3x optical zoom minimum, or higher hybrid zoom	For detailed visual inspections from a safe distance.
Laser Rangefinder LRF)	Measurement range of at least 1000m	Aids in the planning and execution of well-informed flight operations and data accuracy.

2.3.1.4 SD Card Compatibility

The UAV shall be SD Card Compatible with the SD Card having the following specifications:

Requirement	Specification	Notes
Card Type	microSD	Provides high image quality and better low-light performance.
Capacity	Minimum 128 GB	For high-resolution data capture suitable for survey-grade results.
Speed Class	Mechanical Shutter	Crucial for eliminating motion blur and rolling shutter artifacts in mapping, with speeds up to 1/2000s.
Read Speed	Capability for rapid capture; for example (but not limited to) a 0.5-second interval	For high-speed data acquisition during flight operations.

2.3.1.5 Operability & Accessories

The UAV shall come with the following features and accessories:

Requirement	Specification	Notes
Portability	Compact, foldable design for easy transport – with the inclusion of a single (1) backpack, capable of carrying the drone, charger and spare batteries.	As per specification.

Safety Features	Omnidirectional obstacle avoidance and Return-to-Home (RTH) on low battery/signal loss	Essential safety features for professional flight operations.
Controller*	A single (1) Professional-grade remote controller with built-in high-brightness screen.	For clear visibility and ease of use in the field.
Batteries & Charging	A total of three (3) hot-swappable batteries and a single (1) multi-battery charging hub.	Minimizes downtime and maximizes field efficiency.

* The UAV shall be cross-compatible with other units of the same type of controller model in the event that the one issued requires replacement.

2.3.1.6 Warranty Period

The Equipment shall come with a two (2) year Warranty Period, which shall come into effect from the date of final acceptance of all the Equipment by the CA.

The date of final acceptance will be communicated by the CA via email once all relevant User Acceptance Tests are carried out and completed.

2.4 Execution Period

2.4.1 The time-limit for the execution of the contract shall be four (4) weeks from the date of the Purchase Order.

Section 3 Financial Offer

3.1 Financial Offer

The Economic Operator shall fill-in and submit their offer by filling the Form marked as '[Financial Bid Form](#)'. The Contracting Authority reserves the right to disqualify bidders who fail to submit or provide all the requested information requested in the '[Financial Bid Form](#)'.

Economic Operators must quote all components of the price inclusive of taxes/charges, customs and import duties and any discounts BUT excluding VAT. VAT shall be paid in accordance with the current VAT regulations.

3.2 Criteria for Award

3.2.1 The sole award criterion will be the price. The contract will be awarded to the bidder submitting the cheapest priced offer satisfying the requested administrative and technical criteria.

The Contracting Authority reserves the right to accept or reject financial offers exceeding the estimated procurement value based on the current market rates.

The Contracting Authority reserves the right to disqualify offers received late even though they might be technically and financially compliant (please refer to the cover page of this RfQ for the respective deadlines).

Furthermore, the Contracting Authority reserves the right to refuse or cancel this RfQ, in part or in full, at its discretion without any obligation.

3.3 Clarification meeting / Site-visit

3.3.1 No Clarification meeting/site visit will be held.

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