



Republic of the Philippines
NATIONAL POLICE COMMISSION
**PHILIPPINE NATIONAL POLICE, NATIONAL CAPITAL REGION POLICE OFFICE
QUEZON CITY POLICE DISTRICT**

Camp PMGen Tomas B Karingal, Sikatuna Village, Quezon City



TERMS OF REFERENCE FOR THE ACQUISITION OF DRONES FOR THE OPERATIONS OF QUEZON CITY POLICE DISTRICT

I. RATIONALE

With a rapid influx of new technologies, the work of policing looks very different from what it was as recently as 2010. New technologies, such as facial recognition software and a wide variety of computer applications facilitated by high-speed broadband wireless systems, have greatly advanced law enforcement's capabilities. At the same time, however, criminal offenders have used technologies to create new types of crime, such as ransomware attacks, or have used technology to find new ways of committing old crimes, such as theft on cars, from banks and many other forms.

Law enforcement agencies that have deployed drones say there are many benefits associated with using these devices. Drone is an informal name for devices known as unmanned aerial vehicles (UAV), unmanned aircraft systems (UAS), and small unmanned aircraft system (sUAS). The term UAS refers to the entire system for using a drone, including the aircraft and the ground control unit, while UAV refers only to the vehicle itself.

Drones are small unmanned aircrafts that can be remotely controlled or can fly autonomously via preplanned flight plans. They typically carry cameras that can transmit video or still images to their operators.

Drones have been used by the military and police departments in contingency operations. In more recent years, many police departments have acquired drones and used them for search and rescue missions, disaster response, crowd monitoring, investigating armed and dangerous suspects and other applications.

II. PROJECT OBJECTIVE

The supply and delivery of unmanned aircraft (drone) systems project aims to equip the Quezon City Police District with a drone that can aid their different operations to improve capability of the police department to further develop its services to the people of Quezon City.

Statement of compliance – Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statement of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross reference to that evidence. Evidence shall be in the form of manufacturer's

unamended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provision of ITB Clause 3.1 (a)(ii) and or GCC Clause 2.1 (a)(ii).

The Budgetary Requirement is ***Eight Million Pesos Only (Php 8,000,000.00)*** based on the following breakdown of technical specification of **Unmanned Aircraft (DRONE) System** is as follows:

NAME OF ITEM DESCRIPTION/SPECS	QUANTITY
DRONE TECHNICAL SPECIFICATIONS	2 sets
Must be made up of carbon fiber.	
Must have a closed fuselage structure which enables it to become rain resistance	
Must have atleast 45mins of fly time	
Must have detachable arm features making it easy to transport and quick setup	
Must have powerful motor and atleast 30 inch high efficiency propeller ensuring longer flight time	
Must be equipped with dual landing system	
Must have a real time video transmission system within atleast 3km	
Must be equipped with atleast 36x zoom lens HD camera	
Must have a night vision camera	
Must have a megaphone system	
Frame Weight (with landing gear)	maximum of
Take-off Weight	≥ 48kg
Maximum Effective Load	30 kg
Maximum Flying Speed	10m/s
Maximum Lifting Speed	5m/s
Max Descent Speed	4m/s
Suggested Flight Altitude	≤ 500m
Working Temperature	-10 to +55°C
Package Inclusions	
Hexacopter Frame (1 unit)	
ESC, Rotor and Propeller Combo (6 units)	
Carbon Fiber Propeller (3 units)	
Dual landing gear	
Plug/Cable/Wire/Shrink tubing etc.	
22.8V, 25000mAh high-voltage LiPo Battery	
Radio Controller	

GRAND TOTAL (VAT EXCLUSIVE)	8,000,000.00
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III. GENERAL DESCRIPTIONS

The Contractor shall supply, deliver, install, test and commission for the unmanned aircraft systems for the operations of Quezon City Police District.

1. All materials and equipments to be supplied should be brand new. All the systems and components shall have been thoroughly tested and proven in actual use.
2. The General description of the project does not in any way limit the responsibilities of the Contractor in accomplishing the objective of the project.
3. Shall provide a certified true copy of its Distributorship/Dealership Certificate for the unmanned aircraft system offered.
4. Original descriptive literatures and unamended brochures of all the equipment/materials to be supplied.

IV. PROJECT SCOPE OF WORK

The units have to be delivered with the above described specifications, accessories, and service manuals. QCPD personnel will have to be trained to suit the end user's requirements. Training courses can be conducted at the manufacturer's private facilities or on-site to ensure personnel mastery.

V. TECHNICAL REQUIREMENTS

In addition to the requirements provided under R.A. 9194 and its Implementing Rules and Regulations and the Instruction to Bidders, the Bidders for the Supply and Delivery of **Quezon City Police District Unmanned Aircraft (DRONE) System** for the City shall comply with the following technical requirements.

Delivery Period and Warranty

- a. The Bidder shall supply and deliver the Unmanned Aircraft System within ninety (90) calendar days, reckoned from receipt of the Notice to Proceed (NTP)
- b. Delivery in Quezon City Police District.

Conditions

- a. All items described above are owned by QC-LGU upon the full payment.
- b. Quezon City LGU-QCPD reserved the right for Non-Disclosure Policy (NDP)

Warranty and Support

The bidder warrants that it shall strictly conform to all the Terms and Conditions of these Terms of Reference.

VI. BASIS OF PAYMENT

In consideration for the delivery of the **Quezon City Police District Unmanned Aircraft (DRONE) System** as provided herein, the City shall pay the Bidder the contract price upon delivery of the unit to the City, pursuant to the Terms & Conditions of the Contract.

Terms:

- 15% of the contract price upon delivery of equipment and materials onsite or appropriate relative to the delivery cost of the items delivered.
- 85% of the contract price upon installation, testing and system acceptance.

VII. PENALTIES FOR BREACH OF CONTRACT

Failure to deliver the items in accordance to the standards and requirements set by the City shall constitute an offense and shall subject the contractor to penalties and/or liquidated damages pursuant to R.A 9184 and its revised Implementing Rules and Regulation (IRR).


VIII. CANCELLATION OR TERMINATION OF CONTRACT

The guidelines contained in R.A. 9184 and its revised Implementing Rules and Regulations shall be followed in the termination of any service contract. In the event the City terminated the Contract due to default, insolvency, or for cause, it may enter into negotiated procurement pursuant to Section 53 (d) of R.A 9184 and it's IRR.

****Nothings Follow****

Submitted by:

Concurred by:


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