Province of Davao del Norte

Government Center, Mankilam, Tagum City

PURCHASE ORDER

Supplier : RASA SURVEYING INSTRUMENTS

P.O. No.: 2020083170

PhilGEPS Registration No. :

Date : August 25, 2020

Address : DAVAO CITY

Mode of Procurement : Bidding

20021814

Tel / Fax #: 09551377818 Registration Certificate

P.R. No. :

Req. Off.: PROVINCIAL ENGINEER'S OFFICE

Gentlemen: Please furnish this office the following articles subject to terms and conditions contained herein:

Place of Delivery PGSO Warehouse

Delivery Term: 45Calendar Day/s

Date of Delivery:

Payment Term : ON ACCOUNT Unit Cost

Amount

Item No.

Quantity/Unit

Description

1 set

Receiver/Real Time Kinetic with One (1) Drone

2,098,000.00

2,098,000.00

Survey System

Inclusive of One (1) Licensed Copy of Processing Software (PIX4D) and One (1) Unit Android Tablet

TECHNICAL SPECIFICATIONS:

- 1. DRONE
- -Model: T650
- -Weight: 7.58lbs. (3440g including propellers and two batteries, without gimbal and camera)
- -Max. Take-off Weight: 8.82lbs. (4000g)
- -GPS Hovering Accuracy:

Vertical: ±1.64 feet (0.5m) or ±0.33 feet (0.1m, Downward Vision System enabled)

Horizontal: ±4.92 feet (1.5m) or ±0.98 feet (0.3m, Downward Vision System enabled)

-Max. Angular Velocity:

Pitch: 300%

Yaw: 150°/s

-Max. Tilt Angle:

P-mode: 35° (Forward Vision System enabled: 25°)

Survey Instrument for PEO-PDPM Division use.

2,098,000.00

GRAND TOTAL : P

2,098,000.00

Grand Total Amount in Words :

TWO MILLION NINETY EIGHT THOUSAND and 0/100

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed.

I hereby conform that NOTICE TO DELIVER shall be served to the PLACE OF DELIVERY stated herein three(3) days before the actual delivery of the item/s covered by this Purchase Order.

Conforme:

Very truly yours,

RAIM CHPICTURER M. CRUZ

EDWIN I. JUBAHIB Governor

(Signature over printed name)

By the Authority of the Governor:

ENGR. JOSIE JEAN R. RABANOZ, MPA, ENP Provincial Administrator

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ON ACCOUNT

Date of Delivery:

Item No.

Unit Cost

Amount

A-mode: 35° S-mode: 40° -Max. Ascent Speed:

P-mode/A-mode: 16.4 ft/s (5m/s)

S-mode: 19.7 ft/s (6m/s) -Max. Descent Speed:

> Vertical: 13.1 ft/s (4m/s) Tilt: 13.1-29.5 ft/s (4-9m/s)

-Max. Take-off Sea Level: 1.55 mi (2500m)

3.1 mi (5000m with specially-designed propeller)

-Max. Wind Speed Resistance: 10m/s

-Max. Flight Time: Approx. 27 min. (with Zenmuse X4S)

-Motor Model: DJI 3512 -Propeller Model: DJI 1550T

-Indoor Hovering: Enabled by default

-Operating Temperature: -4° to 104°F (-20° to 40°C)

-Diagonal Distance (propeller excluded): 23.8 Inches (605mm, Landing Mode)

-Max. Speed: 58mph to 94kph (Sport Mode)

Survey Instrument for PEO-PDPM Division use.

SUB TOTAL

: P

SEP

GRAND TOTAL : P

2,098,000.00

Grand Total Amount in Words :

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Conforme:

. Very truly yours,

CHRISTOPHER (Signature over printed name)

EDWIN I. JUBAHIB

Governor

By the Authority of the Governor:

ENGR. JOSIEJEAN R. RABANOZ, MPA, ENP Provincial Administrator

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Province of Davao del Norte

Government Center, Mankilam, Tagum City

PURCHASE ORDER Supplier : RASA SURVEYING INSTRUMENTS P.O. No. : 2020083170 PhilGEPS Registration No. : Date : August 25, 2020 Address : DAVAO CITY Mode of Procurement : Bidding Tel / Fax #: 09551377818 P.R. No. : __20021814 Registration Certificate DTI Req. Off.: PROVINCIAL ENGINEER'S OFFICE Gentlemen: Please furnish this office the following articles subject to terms and conditions contained herein: Place of Delivery PGSO Warehouse Delivery Term: 45Calendar Day/s Date of Delivery: Payment Term : ON ACCOUNT Quantity/Unit Item No. Description Unit Cost Amount Remote Controller: -Model: GL6D10A Operating Frequency: 2.400-2.483GHz, 5.725-5.850GHz -Video Outputs Ports: USB, HDMI -Power Supply: Built-In Battery -Charging: DJI Charger -Dual User Capability: Host-and-Slave Connection -Mobile Device Holder: Tabler or Smart Phone -Max. Mobile Device Width: 170mm -Output Power: 9W (without supplying power to smart device) -Operating Temperature: -4° to 104°F (-20° to 40°C) -Storage Temperature: Less than 3 months: -4° to 113°F (-20° to 45°C); More than 3 months: 72° to 82°F (22° to 28°C) -Charging Temperature: 32° to 104°F (0° to 40°C) Battery -Battery: 6000mAh 2S LiPo -USB Supply Power: iOS: 1A @ 5.2V (Max); Android: 1.5A @ 5.2V (Max) Battery (Standard) SEP 6 2020 -Name: Intelligent Flight Battery -Model: TB50 Survey Instrument for PEO-PDPM Division use. SUB TOTAL : P GRAND TOTAL : P 2,098,000.00 Grand Total Amount in Words : TWO MILLION NINETY EIGHT THOUSAND and 0/100 In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed. I hereby conform that NOTICE TO DELIVER shall be served to the PLACE OF DELIVERY stated herein three(3) days before the actual delivery of the item/s covered by this Purchase Order. Very truly yours, Conforme: PAM CHRISTOPHER M. CRUT (Signature over printed name) **EDWIN I. JUBAHIB** Governor By the Authority of the Governor: 10/5

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(Date)

ENGR. JOSIE JEAN R. RABANOZ, MPA, ENP

Provincial Administrator

Province of Davao del Norte

Government Center, Mankilam, Tagum City

PURCHASE ORDER

Supplier : RASA SURVEYING INSTRUMENTS

P.O. No.: 2020083170

PhilGEPS Registration No. :

Date : August 25, 2020

Address : DAVAO CITY

Mode of Procurement : Bidding

Tel / Fax #: 09551377818

P.R. No. : 20021814

Registration Certificate

Reg. Off.: PROVINCIAL ENGINEER'S OFFICE

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Place of Delivery PGSO Warehouse

Delivery Term: 45Calendar Day/s

Date of Delivery:

Payment Term : ON ACCOUNT

Item No.

Quantity/Unit

Description

Unit Cost

Amount

-Capacity: 4280mAh

-Voltage: 22.8V

-Battery Type: LiPo 6S

-Energy: 97.58 Wh

-Net Weight: 515g

-Charging Temperature: 41° to 104°F (5° to 40°C)

-Operating Temperature: -4° to 104°F (-20° to 40°C)

-Max. Charging Power: 180W

-Storage Temperature: Less than 3 months: -4° to 113°F (-20° to 45°C); More

than 3 months: 72° to 82°F (22° to 28°C)

Downward Vision System:

-Velocity Range: <32.8ft/s (10m/s) at height of 6.56 feet (2m)

-Altitude Range: <32.8ft (10m)

-Operating Range: <32.8ft (10m)

-Operating Environment: Surfaces with clear patterns and adequate lighting (>15

-Ultrasonic Sensor Operating Range: 0.33-16.4 feet (10-500cm)

-Ultrasonic Sensor Operating Environment: Non-absorbing material, rigid surface

(thick indoor carpeting will reduce performance)

Survey Instrument for PEO-PDPM Division use.

SUB TOTAL

GRAND TOTAL : P

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Grand Total Amount in Words :

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Conforme:

Very truly yours,

PAW CHROTOMER (Signature over printed name)

EDWIN I. JUBAHIB

Governor

By the Authority of the Governor:

ENGR. JOSIEJEÁN R. RABANOZ, MPA, EnP Provingial Administrator

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Republic of the Philippines

Province of Davao del Norte

Government Center, Mankilam, Tagum City

PURCHASE ORDER

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WANGYU

Republic of the Philippines

Province of Davao del Norte

Government Center, Mankilam, Tagum City

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			P.C	7. NO. : 202008	3170	
PhilGEPS Registration No. : Address : DAVAO CITY Tel / Fax #: 09551377818 Registration Certificate : DTI			Dat	Date: August 25, 2020 Mode of Procurement: Bidding P.R. No.: 20021814		
			Mo			
			P.R			
Req. Off.: PROVIN	ICIAL ENGINEER'S	SOFFICE				
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Place of Delivery PGSO Warehouse			- 1 2009	Delivery Term: 45Calendar Day/s		
Date of Delivery:			Pa	yment Term ; (
Item No. Quantity/	Unit	Description		Unit Cost	Amount	
	Static 0.5x10^-(Time Initiali Updat (GNSS B Differ -Network Netwo EDGE, G CDMA) Suppr	for Initialization: Typically, <10 ization Reliability: >99.99% ting Rate: Positioning Data: 2	om + 0.5x10^-6D) Os OHz (GNSS Boar FCM3.0, CMR, R wile network (TDD N, WCDMA, CDM Band 2, Band 3, I	d), Original Data: 20 TCM2.X -LTE, FDD-LTE, WO A 2000); 2G (GSM, Band 4, Band 5, Ban	CDMA. ad 7, SEP 1 6 2000	
Survey Instrument for PEO-PDPM Divis		use.	1	SUB TOTAL :	: P	
				GRAND TOTAL :	2,098,000.00	
Grand Total Amount in	n Words :	TWO MILLION N	IINETY EIGHT	THOUSAND and	0/100	
a penalty of or I herel	by conform that three(3) days	o make the full deli) of one percent for t NOTICE TO DELIVER before the actual de	every day shall be se	of delay shall rved to the P	l be imposed.	

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Item No.

Quantity/Unit

Description

Unit Cost

Operation temperature: -40 to 65°C Storage temperature: -40 to 80°C

Warranty: One (1) year on parts except consummables

Training: Three (3) days free training for equipment familiarization and data

processing

CAAP Licensing: Free of Charge (FOC), maximum of three (3) drone pilot

licenses

Payment Term: COD or dated check upon delivery

Incoterms: FCA (Free Carrier)/free delivery

Delivery Leadtime: maximum 45 days from receipt of confirmed Purchase Order

Additional Requirements:

Supplier must have at least five (5) years experience in supplying

surveying equipment.

The Company must have at least five (5) Remotely Piloted

Aircraft Controller Certificate

Drone Reseller Certificate

Period of Delivery: 45 days

0720202756 is based on Abstract

Survey Instrument for PEO-PDPM Division use.

SUB TOTAL : P

GRAND TOTAL :P

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Conforme:

CHRISTIANTER (Signature over printed name) Very truly yours,

EDWIN I. JUBAHIB Governor

By the Authority of the Governor:

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Date of Delivery:

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Green Procurement Terms and Conditions for COMPUTERS, MONITORS AND LAPTOP

The suppliers shall supply ICT equipment which fulfills at least ENERGY STAR 6.1 for computers and 7.1 for monitors criteria.

2. The supplier shall supply products with a visible On/Off switch.

3. In case of desktop computers: The supplier shall supply products which are designed so that the memory, hard disk and CD drive are readily accessible and can be changed easily for upgrade.

4. The supplier shall supply notebooks and desktop computers where the availability of replacement batteries and power supplies is guaranteed for at least 5 years after end of production.

The supplier shall supply the products in recyclable packages and shall provide a packaging take-back service.

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EDWIN I. JUBAHIB

Governor

(Signature over printed name)

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