

PHILIPPINE PORTS AUTHORITY
Port Management Office of Misamis Oriental/Cagayan de Oro

Invitation to Bid for the Supply and Delivery of Global Positioning System (GPS) Surveying Instrument, Port Management Office of Misamis Oriental/Cagayan de Oro (PMO MO/C)

1. The *Philippine Ports Authority (PPA) Port Management Office of Misamis Oriental/Cagayan de Oro (PMO MO/C)*, through the *Corporate Budget for the Year 2019* intends to apply the sum of **ONE MILLION FIVE HUNDRED THOUSAND PESOS (Php 1,500,000.00) inclusive of 12% VAT** being the Approved Budget for the Contract (ABC) to payments under the contract for the items as stated in this Invitation to Bid. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Philippine Ports Authority (PPA) Port Management Office of Misamis Oriental/Cagayan de Oro PMO MO/C* now invites bids for the item, to wit:

One (1) SET - (One (1) Base + One (1) Rover with One (1) Rugged Handheld Data Controller) GPS Surveying Instrument that uses the Global Navigation Satellite System (GNSS), complete accessories and software

Technical Features:

BASE/ROVER		
No. of Channels	555 or higher	
Satellite Tracked	A.) GPS: L 1 C/A, L 1C, L2C, L2P, L5	
	B.) GLONASS: L 1 C/A, L2C, L2F, L3, L5	
	C.) GALILEO: E1, E5AltBOC, E5a, E5b, E6 C/A, L1 C, L2C, L5, L6	
	D.) BEIDOU: B1, B2, B3	
	E.) SBAS: L 1, L5	
	F.) IRNSS: L5	
	G.) QZSS: L1	
Signal Reacquisition	<1 sec	
RTK Signal Initialization	Typically < 10 s or better	
Hot Start	Typically < 1'5 s or better	
Initialization Reliability	>99.9 %	
Initial Memory	8GB (minimum)	
Base and Rover	INTERCHANGEABLE	
HIGH PRECISION STATIC SURVEYING CODE DIFFERENTIAL POSITIONING	Horizontal	2.5 mm + 1 ppm RMS or better
	Vertical	5.0 mm + 1 ppm RMS or better
	Horizontal	<0.5 m RMS or better
	Vertical	<1.0 m RMS or better
SBAS POSITIONING	Horizontal	0.6 m RMS ² or better
	Vertical	1 .2 m RMS ² or better
REAL TIME KINEMATIC «30 Km) NETWORK SURVEYING	Fixed RTK Horizontal	8 mm + 1 ppm RMS or better
	Fixed RTK Vertical	15 mm + 1 ppm RMS or better

	better
INTERNAL RADIO	Frequency Range 410 - 470 MHz
	Maximum Range 3-4 Km in urban environment, Up to 10 Km with optimal conditions or higher
Waterproof / Dustproof	IP67
Vibration	Vibration resistant
Battery life	10 hours or longer
HANDHELD DATA CONTROLLER	
Operating System	Windows Mobile 6.5
Processor	TI Sitara AM335x1 GHz or better
Display	3.7"
Memory	RAM 512 MB ROM 8GB SO expandable up to 32 GB
Working Time/ Battery Life	12 hours or longer
Waterproof / Dustproof	IP67
Drop Protection	1.5M Concrete Drop Resistance
Additional Requirements:	
1. The winning bidder shall demonstrate and/or provide hands-on training on hardware and software in the field and/or office including the mounting and operating the GNSS Receiver with Terrestrial 3D Laser Scanner to attain WGS84 and PRS 92 scan positioning;	
2. Must be compatible with current Auto CAD Civil 3D.	
3. Preferably European made with two (2) year warranty against factory defect.	
4. GNSS must work with base and rover sim card connection.	
5. Winning bidder/supplier shall demonstrate how to pair the GNSS with drone quadcopter and software to provide base map output that can be integrated with GIS	
6. Bidders must have a minimum of 3 years' experience in supplying survey equipment.	
7. Bidders that fail to meet any of the requirements will subject for automatic disqualification.	

Delivery of the Goods is required within sixty (60) calendar days. Bidders should have completed, within **Three (3) Years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

4. Interested bidders may obtain further information from *PPA PMO MO/C* and inspect the Bidding Documents at the address given below during **Office Hours (8:00 A.M. to 5:00 P.M.)**.

5. A complete set of Bidding Documents may be acquired by interested Bidders on *1 July 2019* from the address below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand (5,000.00) Pesos (inclusive of VAT).*

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, *provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.*

6. The *PPA PMO MO/C* will hold a Pre-Bid Conference on *8 July 2019, 1:30 P.M.* at the *GAD Hall PPA PMO MO/C Building 2, Port Area, Cagayan de Oro City*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat at the address below on or before *22 July 2019, 1:00 P.M. (based on PMO MO/C Building Biometric Scanner)*. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 18.

Bid opening shall be on *22 July 2019, 1:30 P.M.* at *GAD Hall PPA PMO MO/C Building 2, Port Area, Cagayan de Oro City*. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.

8. The *PPA PMO MO/C* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.
9. For further information, please refer to:

MR. MARC M. AVELLANA
BAC Head Secretariat
Engineering Services Division

Or

MS. FIDELA M. SANCHEZ
BAC Secretariat – Member
Port Services Division

PPA PMO MO/C Building 2
Port Area, Cagayan de Oro City.
Tel No.: (088) 856-1264 Fax No.: (088) 856-4667

(Original Signed)
RUBY MARIA O. GUMAPON
BAC Chairperson