



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
 Philippine Atmospheric, Geophysical and Astronomical Services
 Administration (PAGASA)

22 August 2019

SUPPLEMENTAL / BID BULLETIN
Addendum No. 2019-027-02

Project Title: "Two (2) Units Global Navigation Satellite System (GNSS Base and Rover Survey Equipment and Required Accessories) for Data Processing and Operation Maintenance"; ABC Php5,350,000.00 / PR No. 2019-02-0112 / Ref. No. IB2019-027

This Bid Bulletin is being issued to all prospective bidders to clarify, amend and/or modify certain provisions in the Terms of Reference (TOR) and to answer the written clarificatory questions submitted by prospective bidders, to wit:

Queries of **CLEAN WORLD TRADING & SUPPLIES INC.**

QUESTION/s	PAGASA-BAC ANSWER/s
<p>From Terms of Reference (TOR) Technical Specification I. Base Station 1. Minimum 440 Channels 2. Advance Maxwell 6 GNSS Chipsets 3. Everest</p> <p>Bidder Recommendation I. Base Station 1. 480 Channels 2. Trimble Trademark 3. Trimble Trademark</p>	<p>Our existing station has 440 channels which is the minimum. If the 480 channels as per your recommendation represent also as a minimum, this should be with a higher specification.</p>
<p>From Terms of Reference (TOR) Technical Specification 4. Satellite Signals tracked simultaneously a. GPS: L1 C/A, L2E, L5 b. GLONASS; L1 C/A and unencrypted P code, L2 C/A and unencrypted P code, L3 CDMA. c. Galileo: L1 CBOC, E5A, E5B and E5AltBOC</p> <p>Bidder Recommendation a. L1, L1P, L2P, L2C, L5, L1C b. L1, L1P, L2, L2P, L3, L1/L2 CDMA c. E1a, E5b</p>	<p>GPS, GLONASS and Galileo are the basic satellite sources consisting of different signals as enumerated in the TOR. We assumed that your proposed model can receive signal from those basic sources even though it is not stated in your proposed model and it does not cover more signal sources as compared to our existing satellite signals.</p>
<p>From Terms of Reference (TOR) Technical Specification 19. Communication and Data Storage a. Lemo (serial): 7-pin OS Lemo, Serial 1, 3 wire Rs232, Ethernet, Bluetooth, 52 mb Capacity</p>	<p>In as much as your company is offering more connection ports/communication mode, what has been stated in our Technical Specification should prevail.</p>

<p>Bidder Recommendation Communication and Data Storage</p> <ol style="list-style-type: none"> a. RS232 b. Serial 2:9 pin male, RS232 c. Serial 3:9 pin male, RS232, 1PPS d. 1 PPS e. USB f. Ethernet g. Wifi h. Bluetooth i. Cellular j. Internal Memory; 6.6 Gb 	
<p>From Terms of Reference (TOR) Technical Specification 12. Center Point RTX <ol style="list-style-type: none"> a. Horizontal – 4cm b. Vertical – 9cm Bidder Recommendation 12. Center Point RTX <ol style="list-style-type: none"> a. Horizontal – 2cm b. Vertical – 5cm </p>	<p>The center point RTX is the feature for the brand in reference to the precise measurement. The smaller the margin of error, the better, In this case, your proposed model has a higher specification as compared to our existing center point RTX.</p>
<p>From Terms of Reference (TOR) Technical Specification II. Rover 3. Minimum 440 Channels 4. Satellite Signals Tracked Simultaneously <ol style="list-style-type: none"> a. GLONASS: L1, C/A, L5, L1P, L2C/A, L2P, L3 b. SBAS: 11C/A, L5 (for SBAS satellites that support L5) c. Galileo: E1, E5a, E5B d. Beudiu (Compass): B1, B2 Bidder Recommendation Rover 672 Channels Satellite Signals Tracked Simultaneously GLONASS: L1/L2/C/A, L2P SBAS: L1C/A, L5 (for SBAS satellites that support L5) Galileo: L1, CBOC, E5A, E5B and E5AltBOC <ol style="list-style-type: none"> e. Beudiu (Compass): B1, B2, B1C, B3 </p>	<p>If the 672 channels as per your recommendation represent as a minimum, this should be with a higher specification.</p>
<p>From Terms of Reference (TOR) Technical Specification 13. Cellular Capable Bidder Recommendation Cellular Capable, External Conclusion: Trimble Model (Models with 440 are either discontinued or Old Models)</p>	<p>Your company's brand offer is the same with our existing equipment.</p>

Offer:

Trimble brand for Hydrographic and Land Survey can attach Eco Sounder when surveying River Bed and Mapping, no need to update software.

This shall form an integral part of the Bid Documents.

For guidance and information of all participating bidders.



ENGR. CATALINO L. DAVIS
Chairperson, PAGASA-BAC

"tracking the sky...helping the country"

Science Garden Compound, BIR Road, Brgy. Central, Quezon City,
Metro Manila, Philippines 1100
Postal Address: P.O. Box 3278 Manila

Tel. Nos. (632) 929 48 65; (632) 434 90 40
Fax: (632) 929 48 65
Website: <http://bagong.pagasa.dost.gov.ph>