



20 December 2018

SUPPLEMENTAL / BID BULLETIN

Addendum No. 2018-023-01

**Subject: “Supply, Delivery, Testing, Training, Installation and Commissioning of One (1) Pulse Compression and Dual Polarization Doppler X-Band Radar Rain Gauge for Davao River Basin”;
(Reference: PR No. 2018-11-0848 ABC Php85,000,000.00)**

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:

A. Query from INFORMATION TECHNOLOGY SERVICES MANAGEMENT CORP.

QUESTION/s	PAGASA-BAC ANSWERS
1. I am writing this letter to inform you that we are very much interested to participate in your above NIT. But kindly note that to prepare an exact estimation at per your requirement and to make our best competitive offer we need few more times and accordingly, you are requested to extend the due date of the bid submission by at least 15 days.	Submission and opening of bids shall be maintained as scheduled to allow the BAC sufficient time for the evaluation and determination of the winning bidder before the end of the year.

B. Query from WEST POINT ENGINEERING SUPPLIES

QUESTION/s	PAGASA-BAC ANSWERS
1. We would like to request if we could use the GAMIC ENIGMA IFD and Signal Processor as SLLC for this bid.	Comment/Suggestion: Since the project involves the establishment of a complete radar facility, then, supply and delivery of Gamic Enigma IFD and Signal Processor alone could not be considered as Single Largest Completed Contract that is similar in nature to the Project to be bid. For this purpose, a similar contract that will be considered are those involving the establishment of a radar facility with similar complexity with the project to be bid.
2. We would like to request an extension on the submission of the bid offer, we will be having a joint venture.	See answer to no. 1
3. Under TOR Technical Specifications Section H.4 Antenna Controller a. Angle Span: 0 deg. to 360 deg continuous in azimuth, -2 deg to 182 deg in elevation could we relax this to -2 deg to 92 deg?	The minimum technical specifications for the Antenna Controller under Section H.4 shall be maintained. Prospective bidders may be allowed to offer an alternative solution to the specific requirement based on the capability of their offered system; provided, that, the same is compliant and responsive to the requirement of the project.

C. Query from **JAPAN RADIO CO. LTD. (JRC)**

QUESTION/s	PAGASA-BAC ANSWERS
1. In case of Joint Venture, Is it acceptable that one of the partner of the Joint Venture shall submit the Statement of all On-going government and private contracts. Please confirm.	Please refer to ITB Clause no. 24.7 in relation with ITB Clause no. 12.1(a)(i) of the Instructions to Bidders.
2. In case of Joint Venture, Is it acceptable that one of the partner of the joint venture shall submit the Computation of the Net Financial Contracting Capacity (NFCC). Please confirm.	- same -
3. Usually, facilitating the permits and licenses is main responsibility of PAGASA. The winning bidder supports PAGASA by providing the Documents/information needed in the application. Kindly confirm this item.	Under <i>item no. 11, Table of Work List, Section F. page 6 of 30 of the TOR</i> , it is the main responsibility of the winning contractor to obtain all required permission and licenses with the support of PAGASA.
4. Normally, the client applies for the subscription to the IPVPN provider since the contract will be registered under the client's name. The winning bidder may support by providing the list of requirements necessary for the application of PAGASA. Kindly confirm this item.	Please see item no. 24.1 , <i>Table of Work List, Section F. page 6 of 30 of the TOR</i>
5. Kindly clarify if communication link between Davao River Center and radar site is really included in the scope of this project. It is included in Table 1 Scope of Work List but it conflicts with Figure 1 - Overall System Configuration.	Interfacing of the IPVPN link (River Center to DIC) and the VSAT link (radar site to DIC WFFC) at DIC-WFFC is required and shall form part of the Scope of Works of the Project. it shall be the responsibility of the winning contractor to establish communication link from Davao River Center to the Radar Site and <i>vice versa</i> via the DIC-WFFC.
6. It mentions that antenna controller is included on VSAT antenna. Antenna controller is usually used for mobile VSAT application. However, the required VSAT is for fixed station, which does not need an antenna controller. Kindly clarify this matter.	<i>Item no. 1, lines 25 & 26, Table 2. Equipment List, Section G. page 9 of 30 of the TOR is hereby amended to delete "Antenna controller" and "Servo Motor" from the list of deliverables.</i>
7. Kindly clarify this IPVPN connectivity in Radar Site. It is included in Table 2 Equipment List but it conflicts with Figure 1- Overall System Configuration wherein only VSAT communication is to be provided in radar site.	The Radar site to DIC/WFFC communication link is VSAT only with interface for IPVPN for future connectivity expansion.
8. It mentions that servo motor is included in VSAT antenna servo motor is usually used for mobile VSAT application. However, the required VSAT is for fixed station, which does not need a servo motor. Kindly clarify this matter.	See answer to no. 06
9. Kindly confirm if these items are really required. If yes, what are the minimum specifications? In addition, it's not clear if communication link between radar site and Davao River Center is included in this project, therefore the said items will have no clear use if there is no communication link.	Yes, these items are required and should be supported with appropriate bandwidth.
10. There is no tower required in Davao River Center, therefore lightning protection is not	Only the grounding protection system shall be included.

necessary. However, the contractor will provide grounding protection. Kindly clarify this matter.	
11. Please clarify what is the required tower height. On Section H item 3, Antenna, f. Height it states 10 - 15 m. However, under Section G, Table 2 Equipment list item 1 and in Section H. Item 14, it states 40 m.	Tower height should be 40 meters.
12. 15 KVA UPS can accommodate the power requirement of the radar, the workstations and other peripherals in the radar site. Therefore, it is not necessary to provide separate UPS for Radar Controller workstation. Kindly delete item H.7 c. Accessories: UPS.	Should be included in the schedule of deliveries.
13. Please provide list of equipment and load to be connected to UPS.	The list shall include among others, the Radar System, communication network, SCADA, and Security Equipment.
14. Please clarify quantity of laptop	From: 6 units To: 3 units
15. Raw data from radar site will be processed in the Radar Product Server in HMD. The processed data will then be sent to Radar Data Analysis Server to produce the analysis data before sending them to Web Server in HMD. The analyzed data from Web Server, which is the most important, can be accessed from Davao River Center.	Noted.
16. Please clarify which is the correct IPVPN speed for Davao River Center. In H.11. Communication Link, it is 6 Mbps. In G. Table 2 Equipment List, it is 4 Mbps.	IPVPN speed for Davao River Center should be 6Mbps
17. Can we use Windows Operating System for the SCADA Server? And also, the SCADA server does not need radar software to generate products. But it will have a SCADA software for site monitoring and control. Kindly clarify these concerns.	Windows Operating System for SCADA is acceptable.
18. 15 KVA UPS can accommodate the power requirement of the radar, the workstations and the other peripherals in the radar site. Therefore, it is not necessary to provide separate UPS for SCADA server. Kindly delete item H.17 f. Accessories: UPS.	Item H.17 Section F. Accessories – UPS shall be deleted.

This shall form an integral part of the Bid Documents.

For information and guidance of all participating bidders.

Sgd.
ENGR. CATALINO L. DAVIS
Chairperson, PAGASA-BAC