



01 October 2018

ASTI - BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL BULLETIN NO. BAC-2018-10-041

The ASTI Bids and Awards Committee (BAC) issues this supplemental bid bulletin to clarify, modify or amend items in the Bidding Documents and to reply to queries raised by the potential bidders through letters/emails for the information of all bidders for the procurement of:

Item:	Supply, Delivery, and Installation of Satellite Modem System
Approved Budget for the Contract:	PhP11,200,000.00
ITB No.:	18-09-2105
Purchase Request No.:	GAA-18-06-5907
Published Date (PhilGEPS):	14 September 2018

A. AMENDMENT TO BIDDING DOCUMENTS

REFERENCE	AMENDMENT/CHANGE/CLARIFICATION
Section III. Bid Data Sheet 32.4 (f)	<p>FROM:</p> <p>g. Customer feedback form with at least Satisfactory Rating from the Bidder's client, preferably the client with the Single Largest Completed Contract (except DOST-ASTI);</p> <p>TO:</p> <p>g. Customer feedback form with at least Satisfactory Rating from the Bidder's client;</p>
Section VII. Technical Specifications	<p>FROM:</p> <p>I. A. Independent, dual channel receiver</p> <ul style="list-style-type: none"> - IF Input of 720 MHz or 1200 MHz (Tunable), or equivalent to be compatible with the DIWATA-1 and DIWATA-2 microsatellite - With matched filtering and adaptive baseband equalization for correction of cable/channel distortions - Output: at least 2x 1GbE and 2x 10GbE-T UDP/IP <p>TO:</p> <p>I. A. Independent, dual channel receiver</p> <ul style="list-style-type: none"> - IF Input of 720 MHz or 1200 MHz (Tunable), or equivalent to be compatible with the supported ASTI-GRS satellites. - With matched filtering and adaptive baseband equalization for correction of cable/channel distortions - Output: at least 2x 1GbE and 2x 10GbE-T UDP/IP - Must support V.35 descrambler

	<p>FROM:</p> <p>III. Telemetry and Commanding System (T&C)</p> <ul style="list-style-type: none"> - Small satellite specific software modem with front end digitizer for providing command and telemetry modulation - Tunable 50-2500 MHz front-end, or equivalent to be compatible with the DIWATA-1 microsatellite - One uplink and one downlink channel - 10 MHz bandwidth support/data rates up to 5 Msps - PCM/FM modulator - FSK/GMSK modulator/demodulator - PSK modulator/demodulator (BPSK, QPSK, OQPSK) - Convolutional Encoding/Viterbi Decoding - NRL-L/NRL-M/Bi-f Encoding formats <p>TO:</p> <p>III. Telemetry and Commanding System (T&C)</p> <ul style="list-style-type: none"> - Small satellite specific software modem with front end digitizer for providing command and telemetry modulation - Tunable 50-2500 MHz front-end, or equivalent to be compatible with the supported ASTI-GRS satellites. - One uplink and one downlink channel - 10 MHz bandwidth support/data rates up to 5 Msps - PCM/FM modulator - FSK/GMSK modulator/demodulator - PSK modulator/demodulator (BPSK, QPSK, OQPSK) - Convolutional Encoding/Viterbi Decoding - NRL-L/NRL-M/Bi-f Encoding formats - Must support V.35 scrambler/descrambler
	<p>FROM:</p> <p>V. Host System</p> <ul style="list-style-type: none"> - Supplier shall provide a host system for the software applications - At least latest generation processor with at least 4.0 GHz or better - Processor must have at least six (6) cores and twelve (12) threads - At least 16 GB DDR4 RAM - At least 1TB HDD storage - Includes wireless keyboard and mouse - Includes at least 23" 1080p computer monitor - Includes latest 64-bit operating system - - Supplier shall ensure the host system's compatibility with the software applications <p>TO:</p> <p>V. Host System</p> <ul style="list-style-type: none"> - Supplier shall provide a host system for the software applications - Processor should be at least 3.0 GHz - Processor must have at least six (6) cores and twelve (12) threads - At least 16 GB DDR4 RAM - At least 1TB HDD storage - Includes wireless keyboard and mouse - Includes at least 23" 1080p computer monitor - Includes latest 64-bit operating system - Supplier shall ensure the host system's compatibility with the software applications


	FROM:
	VI. Installation and training <ul style="list-style-type: none"> - On-site installation and training - Supplier to submit training proposal for end-user's approval upon awarding of contract - Supplier shall provide a site acceptance test for approval of the end-user - Site acceptance test should include a provision for successful download and reception of DIWATA-1 data
	TO:
	VI. Installation and training <ul style="list-style-type: none"> - On-site installation and training - Supplier to submit training proposal for end-user's approval upon awarding of contract - Supplier shall provide a site acceptance test for approval of the end-user - Site acceptance test should include a provision for successful download and reception of supported ASTI-GRS satellites

Please be guided accordingly.

Prepared by:


CHERALINE A. BORJA
 Member, BAC Secretariat

Approved by:


PAUL JOHN M. SERRANO
 Chairperson, BAC-2