22 May 2024

ASTI - BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL BULLETIN NO. BAC-2024-05-010

SUPPLY AND DELIVERY OF ONE (1) LOT SPECTRUM ANALYZER

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 and Delivery of One (1) Lot Spectrum Analyzer**
Approved Budget for the Contract:	**Three Million Fifty Thousand Pesos Only (₱3,050,000.00)**
Invitation to Bid No.:	**24-04-4786 dated 09 May 2024**
Purchase Request No.:	**GAA-24-04-19020 dated 08 April 2024**
Published Date (PhilGEPS):	**10 May 2024 | 10837561**

A. AMENDMENT TO PROCUREMENT DETAILS AND FORMS

REFERENCE	AMENDMENT/CHANGE/CLARIFICATION
Not Applicable	Not Applicable

B. RESPONSE TO QUERIES

QUERY/ISSUE	BAC/END-USER RESPONSE/CLARIFICATION
For ***2.1.2. Displayed Average Noise Level (DANL): -164 dBm or better (Preamp ON) in order for the spectrum analyzer to measure weak signals (RBW=1Hz),*** Mr. Ganchoon of Rohde & Schwarz (Philippines), Inc. asked to relax the technical specifications to: 0 dB RF attenuation, termination 50 Ω, RBW = 1 kHz, VBW = 10 Hz, sample detector, logarithmic scaling, normalized to 1 Hz model .02 preamplifier = off 1 MHz to 10 MHz: < –135 dBm, –142 dBm (typ.) 10 MHz to 1 GHz: < –142 dBm, –146 dBm (typ.) 1 GHz to 4 GHz: < –140 dBm, –144 dBm (typ.) preamplifier = on 1 MHz to 10 MHz: < –150 dBm, –160 dBm (typ.) 10 MHz to 3 GHz: < –158 dBm, –163 dBm (typ.) 3 GHz to 4 GHz: < –156 dBm, –161 dBm (typ.)	The technical specifications shall be retained.
For ***2.1.3. Spectral Purity-SSB Phase Noise: -123 dBc/Hz (maximum) @ 10 MHz***, Mr. Ganchoon asked to relax the technical specifications to: **Spectral purity** — frequency = 500 MHz SSB phase noise models .02/.06/.13/.26 carrier offset = 30 kHz: < –88 dBc (1 Hz), –95 dBc (1 Hz) (typ.) carrier offset = 100 kHz: < –98 dBc (1 Hz), –105 dBc (1 Hz) (typ.) carrier offset = 1 MHz: < –118 dBc (1 Hz), –125 dBc (1 Hz) (typ.) models .23/.36/.44/.54 carrier offset = 30 kHz: < –88 dBc (1 Hz), –94 dBc (1 Hz) (typ.) carrier offset = 100 kHz: < –90 dBc (1 Hz), –96 dBc (1 Hz) (typ.) carrier offset = 1 MHz: < –115 dBc (1 Hz), –120 dBc (1 Hz) (typ.)	The technical specifications shall be retained.
For ***2.1.4. Amplitude Accuracy: ± 1.3 dB (maximum) @≤ 9GHz,*** Mr. Ganchoon asked to relax the technical specification to: **Carrier power** Carrier power measurement accuracy: add 0.2 dB, see level measurement uncertainty on page 14 They also proposed to offer a power sensor for the power measurement.	The technical specifications shall be retained.

For ***2.1.5. Markers: Up to 12 Markers***, Mr. Ganchoon asked to relax the technical specification to “at least 6 Markers”.	The technical specifications shall be retained.
For ***2.1.7. Display Monitor: at least 10" for better viewing***, Mr. Ganchoon asked to relax the technical specification to “at least 7 inch capacitive touchscreen”.	The technical specifications shall be retained.
For ***2.1.8. Display Resolution: 1280 x 800 pixels for better resolution***, Mr. Ganchoon asked to relax the technical specification to “at least 800 × 480 pixels”.	The technical specifications shall be retained.
For 2.1.9. Screen Strength IK08 (protected against a 5-joule impact), Mr. Ganchoon asked to relax the technical specification to: **Ruggedized in line with MIL-PRF-28800F class 2** The R&S®Spectrum Rider FPH has no vents or fans that could suck in dirt or water. All interfaces and connectors are protected. The instrument is tested in line with the MIL-PRF-28800F class 2 mechanical test specification for work in rough environments. It is protected against dust and dripping water in line with the IP51 specification.	The technical specifications shall be retained.

ADDITIONAL INSTRUCTION/S: Prospective bidder/s are required to: *1)* amend the form to update existing information or *2)* submit a copy of supplemental bulletin with statement of compliance or signature of authorized representative. **Non-compliance with this requirement shall be grounds for disqualification**.

Please be guided accordingly.

Prepared by:

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BAYANI BENJAMIN R. LARA
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