



ASTI-FM 03-11
REV 0/2 APR 2018

**DOST-ASTI Bids and Awards Committee
Invitation to Bid (Public Bidding)**

ITB No:	21-08-3526-M		August 26, 2021
PR No:	GAA-21-07-11765 (RDD) GAA-21-07-11772 (SSED) GAA-21-07-11802 (KMD) GAA-21-08-1121 (SSED) GAA-21-08-11891 (FAD)	Date:	July 23, 2021 July 26, 2021 July 30, 2021 August 02, 2021 August 12, 2021
Source of Funds:		GAA and GIA	
Total ABC:		Php 3,215,000.00	
Time, Date & Venue of Pre-bid Conference:		September 06, 2021, 9:00 AM at Via videoconferencing	
Time and Date of Submission of Bids:		September 20, 2021, 10:00 AM	
Time, Date & Venue of Opening Bids:		September 20, 2021, 10:30 AM at DOST-ASTI and Videoconferencing	
Date of availability of Complete Set of Documents:		August 27, 2021	
Deadline of Potential Bidder's Clarifications:		September 10, 2021	
Deadline of ASTI's Supplemental Bid Bulletin:		September 13, 2021	
Delivery Schedule:			

The Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested bidders to submit their bids for the item(s) listed below. Guidelines regarding the format, eligibility, technical and financial documents needed are described in the Instruction to Bidders of the Philippine Bidding Documents.

Bidding will be conducted through open competitive bidding procedures using a non discretionary "pass/fail" criterion as specified in the 2016 R-IRR of RA 9184.

A complete set of Bidding Documents may be purchased by interested bidders upon payment of a fee for the Bidding Documents. It is also downloadable for free of charge at DOST-ASTI's website - www.asti.dost.gov.ph

For further inquiries, contact ASTI's BAC Secretariat via email at bac-sec@asti.dost.gov.ph. Interested bidders may also call the number - (632)-426-7423 and look for ASTI's BAC Secretariat.

Respectfully,

GERWIN P. GUBA
BAC Chairman

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	LAPTOP For Research and Development Division (RDD) under PR No. GAA-21-07-11765 Charged to REIINN Project Specifications: Windows 10 Home or better, with free upgrade to Windows 11 once available) CPU:10th Generation Core i7 Processor or better Display:15.6" FHD (1920x1080), IPS-Level Chipset: HM470 Graphics: At least GTX 1650 Ti, 4GB GDDR6 Memory: At least 8 GB DDR4-2666, 2 Slots (Max 64GB) Storage: At least 256 GB SSD + 1 TB HDD Storage Capability:1x M.2 SSD Combo slot (NVMe PCIe Gen3 / SATA) SSD, 1x 2.5" SATA HDD slot Webcam: HD Type, capable of 30fps@720p Keyboard: At least single-color, Backlit Keyboard Connectivity: GB LAN, 802.11 ax Wi-Fi 6 + Bluetooth v5.1 I/O Ports: 1x RJ45, 1x (4K @ 30Hz) HDMI, 1x Type-C USB3.2	10	Set	80,000.00	800,000.00

	<p>Gen1, 3x Type-A USB3.2 Gen1 Audio Jack: 1x Mic-in, 1x Headphone-out Battery:51 WHR or better AC Adapter: 120W AC Adapter Dimensions (WidthxLength x Height): 359x254x21.7 mm Weight (with battery):1.86 kg or lighter inclusive of water repellant laptop sleeve (light weight, form-fitting sleeve with seamless wrap of Impact Foam padding providing top of bottom protection) Note: Delivery: 30 days upon issuance of Notice to Proceed (NTP) Inclusive of all government taxes, freight and other charges Warranty: 2 years inclusive of replacement of parts and services, BIOS reset, any repairs in the equipment Warranty obligation: Five percent (5%)</p>				
2	<p>MOBILE DEVELOPMENT WORKSTATION For RDD under PR No. GAA-21-07-11765 Charged to ROAMER Project CPU: Ryzen 9 5900HS 3.1 GHz (16M Cache, up to 4.5 GHz) or better (latest generation) GPU: NVIDIA RTX 3060 6GB GDDR6 with Boost up to 1382MHz at 60W (80W with Dynamic Boost) or better RAM: At least 16GB DDR4-3200 SO-DIMM (Upgradable to 32GB) Storage: At least 512GB M.2 NVMe™ PCIe® 3.0 SSD Display: At least 14-inch QHD (2560 x 1440) 16:9 anti-glare display, DCI-P3: 100%, Refresh Rate: 120Hz, IPS-level, Pantone Validated: Yes I/O Ports: -1x 3.5mm Combo Audio Jack -1x HDMI 2.0b -1x USB 3.2 Gen 2 Type-C -2x USB 3.2 Gen 1 Type-A -1x USB 3.2 Gen 2 Type-C support DisplayPort / power delivery / G-SYNC Keyboard: Backlit Chiclet Keyboard Camera: FHD 1080P@60FPS external camera Audio: -Audio by Dolby Atmos or equivalent -AI mic noise-canceling -Built-in array microphone -2x 0.7W tweeter or better -2x 2.5W speaker with Smart Amp Technology or better Network and Communication: Wi-Fi 6(802.11ax) + Bluetooth 5.1 (Dual band) 2*2 Operating System: Windows 10 (Free upgrade to Windows 11, when available) Device Lighting: Customizable lighting (AniMe Matrix) or equivalent Battery: 76WHrs, 4S1P, 4-cell Li-ion Power Supply: ø6.0, 180W AC Adapter, Output: 20V DC, 9A, 180W, Input: 100~240V AC, 50/60Hz universal TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal Weight: 1.70 Kg (3.75 lbs) or lighter Dimensions: At most 32.4 x 22.2 x 1.99 ~ 1.99 cm (12.76" x 8.74" x 0.78" ~ 0.78") Security: -BIOS Administrator Password and User Password Protection -Kensington Lock -FingerPrint: YES Included in the package:</p>	7	Unit	100,000.00	700,000.00

	<ul style="list-style-type: none"> -Sleeve -FHD 1080P@60FPS external camera -Wired Optical Mouse -TYPE-C, 100W AC Adapter, Output: 20V DC, 5A, 100W, Input: 100~240V AC 50/60Hz universal -Warranty: At least 1 year -Inclusive of government taxes, delivery, etc - Warranty obligation: Five percent (5%) - Delivery period: 45 days upon issuance of Notice to Proceed (NTP) 				
3	<p>LAPTOPS For Solutions and Services Engineering Division (SSED) under PR No. GAA-21-07-11772</p> <p>A. Specifications:</p> <ol style="list-style-type: none"> 1. Processor: at least Intel Core i5-1135G7 (4C / 8T, 2.4 / 4.2GHz, 8MB) 2. Display: at least 14.0 FHD IPS 3. Memory: at least 8GB DDR4 / 16GB max / 2666MHz DDR4, one DDR4 SO-DIMM socket 4. Storage: at least 256 GB_SSD_M.2_2280_NVME_TLC 5. Camera: at least 720P HD Camera 6. Operating System: Windows 10 PRO or higher 7. Graphics: Integrated Intel Iris Xe Graphics 8. Communications: 100/1000M Ethernet; WLAN Intel AX201 11ax, 2x2 + BT5.1 Bluetooth 9. Audio: HD Audio, Synaptic CX11880 codec / stereo speakers, 2W x 2, Dolby Advanced Audio / dual array microphone, headphone / microphone combo jack 10. Pointing Device: TrackPoint pointing device and buttonless Mylar surface multi-touch touchpad 11. Ports: One USB 2.0, two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, security keyhole 12. Battery: at least 43Wh 13. AC Adapter: USB-C 65W 14. Build Quality: Tested against MIL-SPEC Standard or equivalent 15. With carrying case <p>B. Notes:</p> <ol style="list-style-type: none"> 1. At least one (1) year of limited warranty for parts and services. 2. Warranty obligation: Five percent (5%). 3. Items must be delivered to ASTI within 60 calendar days upon issuance of NTP. 4. Price is inclusive of government duties and taxes and other fees. 5. Payment upon full delivery. 6. Charging: GAA - PEDRO 2020 Continuing Budget 	5	Unit	60,000.00	300,000.00
4	<p>LAPTOPS For Knowledge Management Division under PR NO. GAA-21-07-11802</p> <ol style="list-style-type: none"> 1. Quantity: 2 units 2. Technical Specifications <ol style="list-style-type: none"> 2.1. The specifications indicated herein are of minimum requirements unless otherwise stated. 2.2. Each laptop computer unit must carry the following components: <ol style="list-style-type: none"> 2.2.1. one (1) Intel Core i5-1135G7 processor or equivalent technology (4-core/8-threads, 2.4 GHz base frequency, 4.2 GHz max frequency, and 8MB cache) 2.2.2. One (1) 8GB DDR4-3200Mhz memory module (soldered) expandable up to 32GB through a DIMM slot 	2	Unit	74,000.00	148,000.00

	<p>2.2.3. One (1) 512 GB, M.2 2280 PCIe x4 NVMe Opal2 solid-state disk drive (SSD) expandable up to 2TB</p> <p>2.2.4. 14" FHD (1920x1080) IPS 300nits Anti-glare LED monitor</p> <p>2.2.5. Windows 10 Pro 64-bit operating system</p> <p>2.2.6. Intel UHD graphics processor or equivalent</p> <p>2.2.7. Hybrid Infrared (IR) camera for facial scanning and HD720p camera with privacy shutter</p> <p>2.2.8. Intel AX210 2x2 WiFi6 802.11 AX wireless LAN adapter and Bluetooth (BT) 5.2 adapter for wireless connectivity</p> <p>2.2.9. Ports/Slots:</p> <p>2.2.9.1. One (1) side docking connector for mechanical docking</p> <p>2.2.9.2. One (1) Ethernet extension connector (RJ45)</p> <p>2.2.9.3. Two (2) USB 3.2 Gen 1 with one (1) Always On</p> <p>2.2.9.4. One (1) headphone / microphone combo jack (3.5mm)</p> <p>2.2.9.5. One (1) HDMI 2.0</p> <p>2.2.9.6. Two (2) USB-C with one (1) Thunderbolt™ 3 compatible (supports Power Delivery and DisplayPort)</p> <p>2.2.9.7. Kensington slot</p> <p>2.2.10. Dolby Audio speaker system or equivalent</p> <p>2.2.11. Dual far-field microphones</p> <p>2.2.12. Spill-resistant keyboard with white LED lighting backlight and call-control keys (F9-F11)</p> <p>2.2.13. USB-C 65W AC adapter that supports Rapid Charge or any equivalent technology</p> <p>2.2.14. Match-on-chip touch fingerprint reader</p> <p>2.2.15. One (1) 3-cell 50WH battery</p> <p>2.3. Accessories:</p> <p>2.3.1. One (1) carrying case</p> <p>3. Terms of delivery, payment, and warranty</p> <p>3.1. Technical support service must be available 9 hours per day, Monday to Friday (including holidays), during business hours, 9-6PM Philippines Standard Time (UTC+8) and must respond:</p> <p>3.1.1. 4 business hours, and updates every 3 business days for critical severity issues that impact a high number of staff</p> <p>3.1.2. 8 business hours, and updates every 5 business days for high severity issues that incur serious degradation to application performance or functionality</p> <p>3.1.3. 24 business hours, and updates by request for medium severity issues that moderately impact user operations</p> <p>3.1.4. 48 business hours, and updates by request for low priority issues such as inquiries or issues with limited impact to user operations</p> <p>3.2. End-user must be able to request technical support by phone or email</p> <p>3.3. Onsite technical support may be requested for special cases or critical severity issues</p> <p>3.4. The laptop unit must be shipped with 30-calendar day return for advanced replacement on DOA parts and components, and 1-year limited warranty that covers defects in materials and workmanship</p> <p>Note:</p> <p>1. Price inclusive of all government fees, taxes, and duties</p> <p>2. Payment to be processed upon successful and complete delivery of items</p> <p>3. Delivery: 30 days upon issuance of NTP</p>				
5	<p>MOBILE WORKSTATION</p> <p>For SSED under PR No. GAA-21-08-11821</p> <p>1.0 Specification:</p> <p>1.1 Operating System: Windows 10 64-bit Professional Edition</p>	5	Unit	88,000.000	440,000.00

	<p>1.2 Processor: at least 10th Generation Intel Core i7 or higher</p> <p>1.3 Memory: at least 8GB or higher if soldered to the motherboard; and at least 8GB or higher SO-DIMM DDR4 3200 Memory</p> <p>1.4 Disk space: at least 512GB M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4, configurable up to 1TB SSD</p> <p>1.5 Graphics: Intel IRIS XE or preferably with dedicated graphics</p> <p>1.6 Display: Non-touch 14" FHD (1920x1080) IPS 300nits Anti-glare or higher resolution</p> <p>1.7 Camera: at least HD720p camera with camera shutter privacy</p> <p>1.8 Audio: Built-in stereo speakers and Built-in Digital Microphone</p> <p>1.9 Keyboard: 6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, at least with LED backlight</p> <p>1.10 Touch interface: Touchpad with finger gesture support</p> <p>1.11 Ports:</p> <p>1.11.1 at least USB-C or Thunderbolt 3;</p> <p>1.11.2 2 x USB 3.0;</p> <p>1.11.3 4-in-1 Micro SD card reader (SD, MMC, SDHC, SDXC);</p> <p>1.11.4 Headphone and microphone</p> <p>1.11.5 combo jack;</p> <p>1.11.6 HDMI;</p> <p>1.11.7 RJ45</p> <p>1.12 Battery: Integrated Li-Polymer 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter, up to 15.6 hours</p> <p>1.13 WLAN: Preferably Intel® Dual Band Wireless-AC (2 x 2) or similar at least Bluetooth® 4.1</p> <p>1.14 WWAN: Optional Integrated Global Mobile Broadband LTE-A</p> <p>1.15 Build Quality: Tested against MIL-SPEC Standard</p> <p>1.16 with Laptop bag and complete accessories</p> <p>Notes:</p> <p>1. Warranty: Warranty 1year On-Site; Warranty on Parts & Labor with Premier Support (1 Year on Battery)</p> <p>2. Warranty obligation: Five percent (5%).</p> <p>3. Items must be delivered to ASTI within 60 calendar days upon issuance of NTP.</p> <p>4. Price is inclusive of government duties and taxes and other fees.</p> <p>5. Payment upon full delivery.</p> <p>6. Charging: GAA - arQ 2.0</p>				
6	<p>MOBILE WORKSTATION</p> <p>For SSED under PR No. GAA-21-08-11821</p> <p>A. Specifications:</p> <p>1. Processor: at least 10th generation Intel Core i5 (4 Cores, 8 Threads, 8 MB Cache), equivalent or higher</p> <p>2. Operating System: Windows 10 PRO or higher</p> <p>3. Display: at least 15.6" FHD (1920 x 1080) IPS, anti-glare, 250 nits</p> <p>4. RAM: at least 8GB DDR4</p> <p>5. Graphics Card: NVIDIA® Quadro® P620 4GB, equivalent or higher Quadro variant</p> <p>6. Storage: at least 256 GB PCIe SSD</p> <p>6. Keyboard: Backlit - US English with Number Pad</p> <p>7. Battery: at least with 68Wh capacity battery</p> <p>8. Ports:</p> <ul style="list-style-type: none"> - 2 x USB A 3.2 Gen 1** (1 always on) - USB Type-C 3.2 Gen 2 / Thunderbolt™ 3 - HDMI 2.0 - Headphone / mic combo jack 	1	Unit	115,000.00	115,000.00

	<ul style="list-style-type: none"> - RJ-45 Gigabit Ethernet 9. with Wifi and Bluetooth 5.1 10. Color: Black 11. Certifications: ISV Certified 12. Build Quality: Tested against MIL-SPEC Standard or Equivalent 13. Accessories: 170W or 230W AC slim adapter and Quick start guide <p>Notes:</p> <ul style="list-style-type: none"> 1. Warranty: Warranty 1year On-Site; Warranty on Parts & Labor with Premier Support (1 Year on Battery) 2. Warranty obligation: Five percent (5%). 3. Items must be delivered to ASTI within 60 calendar days upon issuance of NTP. 4. Price is inclusive of government duties and taxes and other fees. 5. Payment upon full delivery. 6. Charging: GAA - arQ 2.0 				
7	<p>LAPTOP For Finance and Administrative Division (FAD) under PR No. GAA-21-08-11891</p> <ul style="list-style-type: none"> - 2.0GHz quad-core 10th generation Intel Core i5 processor with Intel Iris Plus Graphics (or equivalent or better) -Turbo Boost up to 3.8GHz - at least16GB memory - at least 512GB SSD storage -13 inches to 16 inches - Display resolution: at least 2560x1600 pixels -Backlit Keyboard -Touch Bar and Touch ID -Force Touch trackpad -at least four USB-C ports -Warranty: 1 year for parts and labor <p>Note:</p> <ul style="list-style-type: none"> 1. Price inclusive of all government fees, taxes, and duties 2. Payment to be processed upon successful and complete delivery of items 3. Delivery: 30 days upon issuance of NTP 	1	Unit	120,000.00	120,000.00
8	<p>LAPTOP For FAD under PR No. GAA-21-08-11891</p> <ul style="list-style-type: none"> 1. Quantity: 8 sets 2. Technical Specifications 2.1. The specifications indicated herein are of minimum requirements unless otherwise stated. 2.2. Each laptop computer unit must carry the following components: <ul style="list-style-type: none"> 2.2.1. one (1) Intel Core i5-1135G7 processor or equivalent technology (4-core/8-threads, 2.4 GHz base frequency, 4.2 GHz max frequency, and 8MB cache) 2.2.2. One (1) 8GB DDR4-3200Mhz memory module (soldered) expandable up to 32GB through a DIMM slot 2.2.3. One (1) 512 GB, M.2 2280 PCIe x4 NVMe Opal2 solid-state disk drive (SSD) expandable up to 2TB 2.2.4. 14" FHD (1920x1080) IPS 300nits Anti-glare LED monitor 2.2.5. Windows 10 Pro 64-bit operating system 2.2.6. Intel UHD graphics processor or equivalent 2.2.7. Hybrid Infrared (IR) camera for facial scanning and HD720p camera with privacy shutter 2.2.8. Intel AX210 2x2 WiFi6 802.11 AX wireless LAN adapter and Bluetooth (BT) 5.2 adapter for wireless connectivity 2.2.9. Ports/Slots: 	8	Unit	74,000.00	592,000.00

<p>2.2.9.1. One (1) side docking connector for mechanical docking</p> <p>2.2.9.2. One (1) Ethernet extension connector (RJ45)</p> <p>2.2.9.3. Two (2) USB 3.2 Gen 1 with one (1) Always On</p> <p>2.2.9.4. One (1) headphone / microphone combo jack (3.5mm)</p> <p>2.2.9.5. One (1) HDMI 2.0</p> <p>2.2.9.6. Two (2) USB-C with one (1) Thunderbolt™ 3 compatible (supports Power Delivery and DisplayPort)</p> <p>2.2.9.7. Kensington slot</p> <p>2.2.10. Dolby Audio speaker system or equivalent</p> <p>2.2.11. Dual far-field microphones</p> <p>2.2.12. Spill-resistant keyboard with white LED lighting backlight and call-control keys (F9-F11)</p> <p>2.2.13. USB-C 65W AC adapter that supports Rapid Charge or any equivalent technology</p> <p>2.2.14. Match-on-chip touch fingerprint reader</p> <p>2.2.15. One (1) 3-cell 50WH battery</p> <p>2.3. Accessories:</p> <p>2.3.1. One (1) carrying case</p> <p>3. Terms of delivery, payment, and warranty</p> <p>3.1. Technical support service must be available 9 hours per day, Monday to Friday (including holidays), during business hours, 9-6PM Philippines Standard Time (UTC+8) and must respond:</p> <p>3.1.1. 4 business hours, and updates every 3 business days for critical severity issues that impact a high number of staff</p> <p>3.1.2. 8 business hours, and updates every 5 business days for high severity issues that incur serious degradation to application performance or functionality</p> <p>3.1.3. 24 business hours, and updates by request for medium severity issues that moderately impact user operations</p> <p>3.1.4. 48 business hours, and updates by request for low priority issues such as inquiries or issues with limited impact to user operations</p> <p>3.2. End-user must be able to request technical support by phone or email</p> <p>3.3. Onsite technical support may be requested for special cases or critical severity issues</p> <p>3.4. The laptop unit must be shipped with 30-calendar day return for advanced replacement on DOA parts and components, and 1-year limited warranty that covers defects in materials and workmanship</p> <p>Note:</p> <p>1. Price inclusive of all government fees, taxes, and duties</p> <p>2. Payment to be processed upon successful and complete delivery of items</p> <p>3. Delivery: 30 days upon issuance of NTP</p>				
TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):				3,215,000.00
RESERVATION CLAUSE				
<p>The Advanced Science and Technology Institute reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.</p>				