



07 July 2025

SUPPLEMENTAL BID BULLETIN
ADDENDUM NO. 2025-25-02

Subject: Supply, Delivery, Installation, Training, Testing and Commissioning of Advanced Data Analytics System Enhancement
(Reference: PR No. 2024-11-0749 EPA || IB 2025-25)

This Bid Bulletin is being issued to all prospective bidders to clarify, amend and/or modify certain provisions in the Bidding Documents and to answer written queries and clarificatory questions during the pre-bid conference by prospective bidders, to wit:

Queries from: **INFOCENTRIC SOLUTIONS INC.**

Queries	Answers
1. Do we need to attach the SEC Registration, Mayor’s Permit, and Tax clearance as part of the legal documents or is the valid Platinum PhilGEps Certificate sufficient?	Submission of a valid and updated PhilGEPS Certificate of Registration (Platinum Membership) is sufficient, as it already covers the SEC Registration, Mayor’s Permit, and Tax Clearance. The certificate includes a clause certifying that these documents have been submitted and verified by PhilGEPS, provided that all documents are current and updated.
2. Do we need to affix the CTC stamp on each page, or will the initial of the authorized representative suffice?	Affixing a Certified True Copy (CTC) stamp on each page is not required. However, each page of the Eligibility and Technical Documents, including brochures and manufacturer’s unamended literature, must be signed or countersigned at the lower right corner by the bidder or its authorized representative, using any color of pen except black.
3. For the SLCC or contract similar to the project: <ul style="list-style-type: none">Based on the ITB and Section II (Instruction to Bidders) at least 10 years completed from the date of submission and receipt of bids.Based on the Bid Data Sheet completed contracts within three (3) years prior to the deadline of the submission and receipt of bids. Can we use and consider the 10 years completed from the date of submission and receipt of bids? OR Can we request to relax at least 5 years from the date of submission and receipt of bids?	The bidder’s completed contract shall be completed within five (5) years prior to the submission and receipt of bids
4. Bidding Forms <ul style="list-style-type: none">Is it required for all the forms to be filled out by handwritten? Or is it acceptable to type them as long as different font color is used?	There is no prescribed format for filling out the bidding forms of PAGASA, whether entries are typewritten, computer-generated, or handwritten. Provided that all information is clear, legible, and duly signed by the authorized representative, such submissions shall be deemed compliant and acceptable.

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<p>5. Section 6 - Schedule of Requirements</p> <ul style="list-style-type: none">This is to confirm the schedule of requirements is 18 months after NTP?	<p>The Winning Bidder shall deliver all hardware and software components including configurations, testing, and commissioning at PAGASA WFFC Building, Senator Miriam Defensor Santiago Ave., Brgy. Central, Quezon City, within ninety calendar days (90 c.d.) commencing from the date of issuance of the Notice to Proceed (NTP).</p>
<p>6. Scope of Work, Item #2</p> <ul style="list-style-type: none">Will the HPC be used to store training data for the models?Will there be a need to migrate training data to the HPC as part of the project scope?Regarding integration, who will be responsible for making configuration changes to the existing ADAS nodes?	<p>Yes</p> <p>Yes</p> <p>The Winning Bidder, with the full support of the Manufacturer, will be responsible for making configuration changes to the existing ADAS nodes.</p>
<p>7. Weather Model Installations</p> <ul style="list-style-type: none">Will the standard installation package for WRF, MPAS and ECMWF be provided by PAGASA?	<p>No. Since it is all open-source, the Winning Bidder may download the installation package from their respective sites.</p>
<p>8. Installation of Weather Research & Forecasting Model (WRF)</p> <ul style="list-style-type: none">Does the WRF application provide pre-processing, domain configuration, post-processing, visualization and verification out-of-the-box? Or will it be built from scratch?	<p>Built from scratch, but must be aligned with the WRF users' existing templates and configurations</p>

Queries from: **ADVANCE SOLUTIONS INC.**

Queries	Answers
<p>1. One (1) Set of Master Login Node</p> <p>1.1. 2 x AMD EPYC 9335 32C 210W 3.3GHz Processor</p> <p>Regarding Processor requirement we would to like to clarify if this 2units processor is correct and needed for 1 Master login node?</p> <p>May we humbly request for processor to be 1 x AMD EPYC 9335 32C 210W 3.3GHz Processor.</p>	<p>1 or 2 x AMD EPYC 9335 32C 210W 3.3GHz Processor.</p>
<p>2. One (1) Set of Master Login Node</p> <p>1.5. 1 x Intel I350 1GbE RJ45 4-Port OCP Ethernet Adapter V2</p> <p>May we humbly request for 1 x Intel I350 1GbE RJ45 2-Port OCP Ethernet Adapter V2 to be acceptable.</p>	<p>1 x Intel I350 1GbE RJ45 4-Port OCP Ethernet Adapter V2 or better.</p>
<p>3. Regarding similar contracts, may we clarify if this can include any projects completed with HPC servers? And if you can accept within 5 or 8 years?</p>	<p>Yes</p>

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Queries from: **UBX PHILIPPINES CORPORATION**

Queries	Answers
<p>1. Could the BAC provide further guidance or examples of contracts that would be considered 'similar' in scope and complexity?</p>	<p>Any projects related to high-performance computing, Artificial Intelligence, and machine learning integration, governance and data quality initiatives, business intelligence and analytic dashboards, specialized data analytic platforms or similar but not limited to:</p> <ol style="list-style-type: none">1. Supply, Delivery, Training, Installation, Testing and Commissioning of Advanced Data Analytics System2. Supply, Delivery, Training, Installation, Testing and Commissioning of Hyper-Converged Infrastructure Server (<i>preferably with High Computing System</i>)3. Supply, Delivery, Training, Installation, Testing and Commissioning of PAGASA Climate Forecast Computing System4. Supply, Delivery, Training, Installation, Testing and Commissioning of High Performance Computing System for Providing High Resolution Model
<p>2. Would PAGASA consider Progress Billing based on key milestones?</p>	<p>No, based on the TOR, "Payment to the winning bidder may be made upon submission of billing statement, with all the attached supporting documents like completion of all the deliverables, installation, testing, training and commissioning mentioned in this document. See Annex A.</p>
<p>3. Is the 90-calendar day delivery period from receipt of NTP, firm? What are the mechanisms for handling potential delays that are outside the bidder's control, such as customs clearance or site readiness on PAGASA's end?</p>	<p>In view of the urgency of the needs of the project the delivery period set in the bidding documents shall remain at ninety (90) calendar days from issuance of the Notice to Proceed.</p> <p>For any delay not attributable to the bidder, the supplier must:</p> <ol style="list-style-type: none">1) Promptly notify the PE in writing.2) Provide full justification and supporting documentation (e.g., official communications, customs records, proof of PE's non-compliance).3) Submit a formal request for contract time extension.
<p>4. Given that the winning bidder may not be the original supplier of this equipment, what level of documentation, such as as-built diagrams or detailed configuration files from the original installation, will be provided by PAGASA? Furthermore, is there a formal turnover process involving the previous supplier that PAGASA will facilitate to ensure the new bidder has all the information required to meet these contractual obligations successfully?</p>	<p>The end user can provide technical manual of the original project and assistance for the turn over from the old to the new.</p>
<p>5. To ensure a clear understanding of the operational responsibilities post-commissioning, could PAGASA clarify the expected scope of the "Preventive Services"? For instance, is the supplier's role expected to be primarily reactive (i.e., break-fix support in response to incidents), or does PAGASA envision a more proactive, managed approach that</p>	<p>Please refer to letter F: SERVICE LEVEL AGREEMENT of the TOR.</p> <p>Proactive and reactive service approach, and conduct quarterly visits.</p>

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includes ongoing system health monitoring, performance tuning, security patch management, and capacity planning for the entire HPC/AI environment?	
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Queries from: **A.G. DATACOM PHILS. INC.**

Queries	Answers
<p>1. ONE (1) SET OF HIGH PERFORMANCE GPU COMPUTE NODES</p> <p>2.6 3 x NVIDIA Ampere NVLink 2-Slot Bridge</p> <p>May we know the specific application or workload requirements that necessitate this component and request to remove the 3 x NVIDIA Ampere NVLink 2-Slot Bridge.</p>	<p>No. It is needed to interconnect multiple NVIDIA cards for a high-speed, low-latency, unified memory pool.</p>
<p>2. ONE (1) SET OF HIGH PERFORMANCE GPU COMPUTE NODES</p> <p>2.7 1 x 2U 8x2.5” AnyBay Gen5 Backplane and M.2 NVMe 2-Bay RAID Adapter</p> <p>Request to remove 2-Bay RAID Adapter.</p>	<p>The technical specifications outlined in the Terms of Reference (TOR) represent the minimum requirements of the Project. Accordingly, prospective bidders may propose alternative solutions in their respective proposals, provided that such alternatives are fully compliant and responsive to the specific project requirements and offer clear advantages to the government.</p>
<p>3. ONE (1) SET OF HIGH PERFORMANCE GPU COMPUTE NODES</p> <p>2.12 With 2x x16 PCIe Front and Rear IO Riser, and Direct 4x16 PCIe DW GPU Riser</p> <p>Request to relax Direct 4x16 to 2x16</p>	<p>With 2x x16 PCIe Front and Rear IO Riser, and/or Direct 4x16 PCIe DW GPU Riser.</p>
<p>4. ONE (1) SET OF HIGH PERFORMANCE GPU COMPUTE NODES</p> <p>2.14 1 x Direct 4x16 PCIe DW GPU Riser</p> <p>Request to relax Direct 4x16 PCIe DW GP Riser to 2x16</p>	<p>The technical specifications outlined in the Terms of Reference (TOR) represent the minimum requirements of the Project. Accordingly, prospective bidders may propose alternative solutions in their respective proposals, provided that such alternatives are fully compliant with and responsive to the specific project requirements and offer clear advantages to the government.</p>
<p>5. TWO (2) SETS OF STORAGE IO NODES</p> <p>4.6 2 x NVIDIA ConnectX-7 NDR200/200GbE QSFP112 2-port PCIe Gen5 x16 Adapter</p> <p>Request to relax to a minimum of NVIDIA ConnectX-7 SIngle Port NDR VPI / 400GbE OSFP-RHS Adapter</p>	<p></p>
<p>6. TWO (2) SETS OF STORAGE IO NODES</p> <p>4.5 1 X Broadcom 57454 10GBASE-T 4-port OCP Ethernet Adapter</p> <p>Request to relax the specific version to “Broadcom 10G Ethernet Adapter”</p>	<p>1 X Broadcom 57454 10GBASE-T 4-port OCP Ethernet Adapter or better.</p>

<p>7. ONE (1) LOT IF HIGH DENSITY DIRECT-ATTACHED STORAGE</p> <p>5.1 4U JBOD Chassis with Dual 12/24Gb SAS Standard (active/active fail-over)</p> <p>Request to revise to “At least 5U Chassis with 12Gb SAS Standard”.</p>	<p>The technical specifications outlined in the Terms of Reference (TOR) represent the minimum requirements of the Project. Accordingly, prospective bidders may propose alternative solutions in their respective proposals, provided that such alternatives are fully compliant with and responsive to the specific project requirements and offer clear advantages to the government.</p>
<p>8. ONE (1) LOT IF HIGH DENSITY DIRECT-ATTACHED STORAGE</p> <p>5.3 2 X 2.5 800GB 3DWD SAS SSD for OS & Cache</p> <p>Request to revise line to “at least 2x 800GB SSD for read cache”.</p>	
<p>9. ONE (1) LOT IF HIGH DENSITY DIRECT-ATTACHED STORAGE</p> <p>5.4 88 x 22TB 3.5” SED 7.2K rpm NL-SAS HDD for data storage</p> <p>Request to allow alternative offer of 82 x 24TB drives, provided overall capacity is met or exceeded</p>	<p>88 x 22TB, or any disk configuration, 3.5" SED 7.2K rpm NL-SAS HDD for data storage with total minimum capacity of USABLE 1.4 PB.</p>
<p>10. ONE (1) LOT IF HIGH DENSITY DIRECT-ATTACHED STORAGE</p> <p>5.5 RAID Support: RAID-0, 1, 10, 5, 50, 6, 60 (Host controller-dependent)</p> <p>Request to revise to “Capable in supporting at least ADAPT RAID, RAID 1,5,6 OR 10”</p>	<p>RAID Support: RAID-0, 1, 10, 5, 50, 6, 60 (Host controller-dependent), or ADAPT RAID</p>
<p>11. ONE (1) LOT IF HIGH DENSITY DIRECT-ATTACHED STORAGE</p> <p>5.6 Host Controllers Supported: RAID 940-8e PCIe 12Gb Adapter, 440-16e SAS/SATA PCIe Gen4 12Gb HBA, and 440-8e PCIe 12Gb SAS/SATA HBA</p> <p>Request to remove.</p>	<p>The technical specifications outlined in the Terms of Reference (TOR) represent the minimum requirements of the Project. Accordingly, prospective bidders may propose alternative solutions in their respective proposals, provided that such alternatives are fully compliant with and responsive to the specific project requirements and offer clear advantages to the government.</p>
<p>12. ONE (1) LOT IF HIGH DENSITY DIRECT-ATTACHED STORAGE</p> <p>5.7 Back Panel Connectors: 4x 24Gbps Mini-SAS HD (SF-8644) ports each expansion module</p> <p>Request to revise to “At least 12Gbps SAS ports”</p>	
<p>13. EIGHT (8) SETS OF HIGH-END DESKTOP WORKSTATIONS</p> <p>7.8 USB Stereo Headset with built-in noise-cancelling mic and easy call management and audio clarity for optimized voice call</p> <p>May we confirm if third-party brands are acceptable for the headset?</p>	<p>Yes</p>

<p>14. EIGHT (8) SETS OF HIGH-END DESKTOP WORKSTATIONS</p> <p>7.9 Full HD Webcam with resolution of up to 1920 x 1080, frame rate up to 30 FPS, pixels 2 million, view angle at least 83°, USB 2.0 interface</p> <p>May we confirm if third-party brands are acceptable for the camera?</p>	<p>Yes</p>
<p>15. FIVE (5) SETS OF MOBILE LAPTOP</p> <p>8.4 Memory: 16 GB LPDDR5X-7500MHz</p> <p>I would like to request to relax the 7500MHZ to minimum of 7467 MT/s</p>	<p>Memory: 16 GB LPDDR5X-7500MHz, or any compatible</p>
<p>16. FIVE (5) SETS OF MOBILE LAPTOP</p> <p>8.6 Hard Drive (External) 2TB Portable 2.5-inch Solid State Drive USB 3.0 Plug and Play</p> <p>May we confirm if third-party brands are acceptable for external Hard Drive?</p>	<p>Yes</p>
<p>17. FIVE (5) SETS OF MOBILE LAPTOP</p> <p>8.8 Camera: 1080p FHD with webcam privacy shutter</p> <p>Request to relax this to FHD without a mandatory privacy shutter</p>	<p>Camera: 1080p FHD with webcam privacy shutter, or a similar feature.</p>
<p>18. FIVE (5) SETS OF MOBILE LAPTOP</p> <p>8.9 Battery 90Whr battery, Rapid Charge (60 minutes = 80% capacity) with 135W</p> <p>Request to relax 90WHr only.</p>	<p>The technical specifications outlined in the Terms of Reference (TOR) represent the minimum requirements of the Project. Accordingly, prospective bidders may propose alternative solutions in their respective proposals, provided that such alternatives are fully compliant with and responsive to the specific project requirements and offer clear advantages to the government.</p>
<p>19. FIVE (5) SETS OF MOBILE LAPTOP</p> <p>8.10 Port/Slots: USB-A, 2 x USB-C® (Thunderbolt 4, USB 40Gbps), Ethernet (RJ45), HDMI® 2.1</p> <p>Request to allow the use of an external adapter or USB hub with RJ45 Ethernet port, as some brands do not provide built-in Ethernet ports because of higher version of unit</p>	<p>Ports/Slots: USB-A, 2 x USB-C (Thunderbolt™ 4, USB 40Gbps), Ethernet (RJ45), HDMI 2.1, internal or external port/hub.</p>
<p>20. FIVE (5) SETS OF INK TANK PRINTER</p> <p>10.4 Prints up to A3+ size with auto duplex printing and high-capacity ink tanks</p> <p>Request to relax up to A3 standard size</p>	

21. FIVE (5) SETS OF INK TANK PRINTER 10.7 Paper Sizes: A3, A3+, Super B, US B (11 x 17”), Legal, Letter, A4, Executive, B4, B5, A5, B6, A6, Folio 8.5 x 13”, Half-Letter, Envelopes: #10, DL, C6, C4 Request to relax up to A3 and remove the A3+	The technical specifications outlined in the Terms of Reference (TOR) represent the minimum requirements of the Project. Accordingly, prospective bidders may propose alternative solutions in their respective proposals, provided that such alternatives are fully compliant with and responsive to the specific project requirements and offer clear advantages to the government.
22. FIVE (5) SETS OF INK TANK PRINTER 10.9 With LCD Touch Screen Display or similar Request to relax the LCD Touch Screen display to Colour LCD Display	
23. SCOPE OF WORKS 1. Enhancement of existing GPU-based Cluster system Will provide Additional Enterprise Linux for existing server node?	Yes
24. SCOPE OF WORKS Is the Integration required to be fully connected to the existing cluster, or may we propose a standalone solution?	Yes, fully connected.

Queries from: **ONE COMMERCE INTERNATIONAL CORP.**

Queries	Answers
1. May we propose an equivalent brand for the Network Interface?	The technical specifications outlined in the Terms of Reference (TOR) represent the minimum requirements of the Project. Accordingly, prospective bidders may propose alternative solutions in their respective proposals, provided that such alternatives are fully compliant with and responsive to the specific project requirements and offer clear advantages to the government.
2. Could you please provide a list of the workloads and applications that will be installed on the server and storage?	Please refer to letter b. SOFTWARE/ APPLICATION REQUIREMENTS of the TOR.
3. May we clarify if we are allowed to propose the closest equivalent GPUs for heavy compute workloads?	The technical specifications outlined in the Terms of Reference (TOR) represent the minimum requirements of the Project. Accordingly, prospective bidders may propose alternative solutions in their respective proposals, provided that such alternatives are fully compliant with and responsive to the specific project requirements and offer clear advantages to the government.
4. May we kindly confirm if we are allowed to propose ICT-related projects, with the intention of keeping the opportunity open and accessible to all interested bidders?	No, must be a specific AI-related projects.

5. Weather Model Installation May we confirm if there will be any development on this side, or if the requirement pertains solely to the installation of existing models onto the new servers?	Installation only, but must be working or operational.
6. May we kindly request an extension of the delivery period for the goods to one hundred twenty (120) calendar days upon receipt of the Notice to Proceed?	No.
7. May we clarify whether the pricing should be presented as one (1) lot or broken down by item?	For the detailed breakdown of the cost estimates for the project, please refer to the different forms attached under the financial documents.
8. Should the items listed under "Winning Bidder should provide..." also be submitted during bid submission, considering that the bidding documents specifically require supporting evidence for the Bidder's Statement of Compliance (Tab H-1)?	For the bidder to follow strictly what is the instruction under Table H-1.
9. May we kindly clarify whether Section VIII: Checklist of Technical and Financial Documents should be included in our bid response, and if so, where it should be positioned?	Please refer to the checklist of bid documents to be submitted and marked accordingly as Envelope I and 2 and strictly follow the instructions thereof.

This shall form an integral part of the Bid Documents.

For guidance and information of all participating bidders.

sgd
SHIRLEY J. DAVID
Chairperson, PAGASA-BAC