



28 November 2018

SUPPLEMENTAL / BID BULLETIN

Addendum No. 2018-017-03

Subject: “Supply, Delivery, Installation, Testing, Training and Commissioning of Mactan Disaster Recovery Facility”; (Reference: PR No. 2018-09-0671; ABC Php300,000,000.00)

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 MULTI-FOLD LINKS, INC.

QUESTION/s	PAGASA-BAC ANSWER/s
<p>1. Original:</p> <p>On page 23, Item VIII. DRF, TOR: 1. Concept, the facility shall be implemented as per drawings, scope, specifications and general contract conditions following the design and build guidelines as per annex G of IRR RA 9184.</p> <p>On page 26, item c., TOR: “A complete set of preliminary architectural and engineering drawings on a 20”x30” blue print minimum size shall be submitted by all bidders part of its technical proposal.</p> <p>On page 48, item 4.3.12., Final design and construction plan, TOR: “The Prospective bidder/proponent shall prepare the Preliminary Architectural Plans... Structural Design.... Sanitary/Plumbing Design... Electrical Design...Mechanical Design... (Each with list of many related design submittals)</p> <p>On page 52, Item 7. Contract Documentation, TOR: The winning bidder, herein referred to as the contractor shall, upon receipt of the Notice of Award (NOA)... c. “Construction Schedule (PERT, Gantt chart and S-Curve) including Architectural and Engineering Plans Submission shall not exceed 90 Calendar Days”</p> <p>“Upon compliance with the foregoing, shall execute the Design and Build Contract with the head of Implementing Unit”.</p> <p>On page 54, Item IX. TESTING PROCEDURE, TOR: The prospective bidder shall include in its submissions a detailed testing procedure or methodology. The detailed testing procedure and methodology shall include the full validation and testing on-site.</p>	

<p>Motion:</p> <p>1.1 We would like to request that preliminary drawings and/or testing procedures mentioned in the TOR should not be part of bid submittal. Since the preparation for the bid is very limited to just 7 Calendar days If the SBB will be given on Nov 21, 2018.</p> <p>1.2 We would like to clarify our understanding that the mode of Procurement for this project to be bid is “Procurement of Goods”, but for this implementation for the DRF component is “Design and build” in approach; therefore, the preparation and submission of design plans/methodologies should only be done by the winning bidder, not the prospective bidder. The preparation of design plans and related engineering discipline to complete the entire engineering plans is a very long and tedious task, even prior to approval. There are requirements of soil test and analysis before structural design is complete.</p> <p>The prospective bidder should initially be able to understand and indicate compliance to the scope of work, deliverables, design concept, text and acceptance procedure requirements, within the ABC of the project to the bid.</p> <p>1.3 We would like to clarify the (inter-changing) use of “prospective bidder” and “winning bidder”; please advise where is it really applicable in relation to what is required to be submitted with the bid proposal.</p> <p>Reason: The Clarification will help prospective bidders to prepare their bids accordingly within a very limited time.</p>	<p>1.1 Given a relatively limited period of time in the preparation of the stated requirements, prospective bidders shall instead be required to indicate compliance with each specific requirement with a categorical statement that they will comply accordingly with the Terms and Conditions set forth under the Terms of Reference of the instant Project.</p> <p>A specific line-item budget for every schedule of deliverables shall likewise be indicated by the prospective bidders in their respective bid proposals pursuant to the pertinent provisions of the Instructions to Bidders.</p> <p>1.2 Upon determination by the procuring entity of the winning bidder, the latter shall then be required to submit to the procuring entity, the detailed architectural and engineering plans and designs; construction methodology for the DRF; the list of construction personnel to be deployed to the Project with their complete qualification and experience data, among others, pursuant to Annex “G” of the IRR of R.A. 9184.</p> <p>1.3 Unless otherwise amended and/or modified through this Supplemental/Bid Bulletin (SBB) and those SBBs previously issued by the PAGASA-BAC for this purpose, <u>only those documentary requirements that need to be submitted by the “Prospective Bidders,” as clearly stated in the TOR, shall form part of their respective bid proposal for the Project.</u></p> <p>Any other documentary requirements stated in the TOR, such as those enumerated under item 1.2 above, shall be complied with solely by the “Winning Bidder”.</p>
<p>2. On SLCC, may request to allow that either partners who entered into Joint Venture can provide the SLC.</p>	<p>“Each partner of the joint venture shall submit their respective PhilGEPS Certificates of Registration in accordance with Section 8.5.2 of this IRR. <u>The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance: Provided, That the partner responsible to submit the NFCC shall likewise submit the Statement of all of its ongoing contracts and Audited Financial Statements.</u>”(Sec. 23.1 (b), IRR of RA9184)</p>

<p>3. Is there an available normal power supply and water supply from PAGASA in the project site that the winning bidder may be able to tap with the sub meter for use during construction works?</p>	<p>Yes. PAGASA can make available a spare circuit breaker of not more that 60AT, 1Ø(phase), 230V and water supply to accommodate the Supplier's/Contractor's utility sub-metering system.</p>
<p>4. As follow-thru clarification regarding our request on "... Similar items to be evaluated and grouped together since it will require joint Venture for each discipline that needs expertise and special skills per item. May we recommend the following grouping based on Philippine Bidding Document (ITB Clause 28.3(a)/BDS) stated below that can be bid separately per lot.</p> <p>Supply, Delivery, Installation, Testing, Training and Commissioning of Mactan Disaster Recovery Facility composed of:</p> <ul style="list-style-type: none"> • Lot 1 – Disaster recovery facility and networking components. • Lot 2 – Supply and installation of specialized high-performance computing System. <p>Motion: We would like to request for the related SLCC of each lot from 3 years to 10 or 15 years and to also allow an aggregate of three (3) projects.</p> <p>Reason: This is for the prospective bidders to be able to have a chance to participate in the bid, since there are not much of projects with the same deliverables and with the same substantial amount as that of the ABC of the project to be bid.</p> <p><i>Point of reference: Philippine Bidding Document (ITB Clause 28.3 (a)/BDS)</i></p> <p>Groupings and evaluation of Lots-</p> <p><i>Lots should be formed in similar items that are likely to attract the maximum competition. A lot is the quantity and number of items that will be included in a single contract.</i></p> <p><i>Similar items, to be grouped together to form several lots that shall be evaluated and awarded as separate contracts.</i></p> <p>Bidders shall have the option of submitting a proposal on any or all lots and evaluation and contract award will be undertaken on a per lot basis.</p>	<p>The offering of the entire Project for public bidding as <u>one (1) lot only</u> shall be maintained. Regrouping the Project into 2 lots as recommended shall not be considered.</p> <p>On the other hand, prospective bidders may be allowed to present their relevant SLCC <u>within the period of five (5) years only, thereby amending par. 3 of the ITB and item 12.1(a)(ii) of the BDS.</u></p> <p>As regards the amount of the SLCC, prospective bidder's may be allowed to present <u>at least two (2) completed similar contracts the aggregate contract amounts should be equivalent to at least 50% of the ABC and the largest of these similar contracts must be equivalent to at least 25% of the ABC.</u> (Section 23.4.1.3 (a&b)).</p>
<p>5. Original: Duly filled up Manufacturers Authorization Form or Duly Authenticated Certification of Sole/Exclusive Distributorship issued by the manufacturer.</p>	

<p>Motion:</p> <p>May we suggest that a Resellership Certificate or Partnership Certificate from the authorized distributor be allowed for submission by the prospective bidder, since prospective bidder may not necessarily be in direct partnership or distributorship to the Original Equipment the Manufacturer (OEM)</p> <p>Reason:</p> <ul style="list-style-type: none"> • Usually, the business model is that the OEM appoints a distributor locally, and he said distributor authorizes local reseller or partners. The distributor in turn supports the pre-sales and post-sales of their appointed reseller or partner for Project to be bid. • Not all distributors sell directly to the end user or join bids directly to the agency. Distributors typically manages the logistics and inventory of equipment, May also have technical support, but implementations are enabled to the Reseller/partner. Distributor may not have all the eligibility requirements of the Procuring Entity. 	<p>Prospective bidders may be allowed to submit a Resellership Certificate or Partnership Certificate from the authorized distributor; Provided, however, that proof of such authority by the said distributor shall be attached to the Certificate being issued. Provided, further, that, prospective bidders shall make use of prescribed “Manufacturer’s Authorization Form” issued by the PAGASA-BAC for purposes of uniformity in the evaluation of bids.</p> <p>Failure to comply thereto shall be construed as non-compliance with the simple instructions to bidders.</p>
<p>6. Original: The winning bidder shall supply, deliver, install, test and commission the Disaster recovery at PAGASA Mactan Complex, Cebu City and conduct the requisite and training thereto, within the eight (8) months, commencing from the date of issuance of the Notice to Proceed.</p> <p>Motion:</p> <p>May we request that the 8-month period be allocated only for the completion of the Disaster Recovery facility and networking components portion; and, that the training requisite be schedule within an additional two (2) months, for a total of ten (10) months project duration from NTP issuance.</p> <p>Reason: There are different components for the disaster recovery facility that must be scheduled for training. Training schedule and attendees are still subject for confirmation. Completion period of the facility and its stabilization should be given focus and priority</p>	<p>Section V (Delivery Period . . .) of the TOR is hereby amended:</p> <p>FROM: “...within the period of <u>eight (8) months</u>, commencing from the date of issuance of the Notice to Proceed”</p> <p>TO: “...within the period of <u>ten (10) months</u>, commencing from the date of issuance of the Notice to Proceed”</p>
<p>7. We have checked the Philgeps and PAGASA website, however the pertinent forms and layouts/plans were not yet posted. May we request for a soft copy of the prescribed form of PAGASA and drawings in PDF?</p>	<p>Please refer to SBB No. 2018-017-01 dated 22 November 2018 as posted at the PhilGeps and the PAGASA websites.</p> <p>The prescribed PAGASA bidding forms shall be made available upon purchase of the bidding documents.</p>

B. Query from INTEGRATED COMPUTER SYSTEMS, INC.

QUESTION/s	PAGASA-BAC ANSWER/s
<p><u>BDS Page 2</u></p> <p>12.1(a)(ii) The bidder's SLCC similar to the contract to be bid should have been completed (within the period as provided in the invitation to bid) prior to the deadline for the submission and receipt of bids.</p> <p>May we request to allow submission of completed contract for Servers and Storage?</p>	<p>Provision of Storage and Servers are considered major components of the instant Project; hence, may be allowed to be submitted as an aggregate component to the bidder's similar contract. The prospective bidder should likewise have a completed contract with data center facilities included.</p>
<p>TOR Pages 2-3</p> <p>2. Must be in the business or renovation, maintenance or building of data center; renovation, maintenance or build of offices, buildings; renovation, maintenance or build of local or wide area wired or wireless, data, voice and video network communications; software and hardware programming and distribution; system integration. Must be submit proof (SEC Articles of Inc. - Primary purpose or equivalent, Mayor's Permit, Company profile).</p> <p>We would like to request to relax the requirement to "compliance to any of the enumerated to business purposes and submission of any of the mentioned proof (SEC Articles of Inc. – Primary purpose or equivalent or Mayor's permit or Company profile)</p>	<p>The requirement is self explanatory.</p>
<p>TOR Page 2</p> <p>e. Must be an ISO 9001 certified for the provision of providing IT related products and services for:</p> <ul style="list-style-type: none"> • Renovation/Maintenance, or build of data center • Build/renovation of data, voice and video communications • Software and hardware programming and distribution • Trade of hardware equipment including computing equipment • System integration <p>We would like to request to allow submission of the ISO 9001 certificate for any of the enumerated products/services.</p>	<p>Compliance with any 2 of the enumerated products and services shall be accepted.</p>

<p>TOR page 3</p> <p>Must have completed, within the last ten years (10), a single contract to be bid, and whose value, must be at least twenty-five percent (25%) of the ABC. For this purpose, the similar contract shall include the following:</p> <ul style="list-style-type: none"> • Precision Air-Conditioning Unit (PACU) • Uninterruptible Powers Supply (UPS) • Fire Suppression System • Structured Cabling system – Fiber Optic & UTP cabling • Electrical Works • Security Door Access System • Surveillance System • Racks/Server Racks • Data Center Enclosure • Civil and Architectural Works • Internet of Things on temperature, humidity, and water leak detection. <p>May we request to relax the requirement to “Contract/s covering any of the following enumerated items”?</p>	<p>The project calls for the delivery of 2 major components: Data Center Facility and WRF software and hardware. Submission of completed contracts must be of data center facility and servers / softwares / storages.</p>
<p>TOR page 3:</p> <p>j. Must have employees certified in each of the following:</p> <ul style="list-style-type: none"> • Certified Information Security Manager (CISM) • Certified Information System Security Professional (CISSP) <p>Requesting to remove these requirements since these fall under Network Security Projects instead of Data Center Build-out which is the major component of this bid. Instead, may we recommend to change the requirement to Certified Data Center Professional?</p>	<p>The requirements in the TOR under this item shall be maintained.</p>
<p>TOR Page 7</p> <p>2.5. 1x Network Attached Storage</p> <p>g. Integrated two (2) 10/100/1000 Base-T Ethernet ports</p> <ul style="list-style-type: none"> • Power Supply: Dual redundant, hot swappable power supply 750 watts. <p>Would like to request to lower the power supply requirement to 350 watts only or Manufacturer’s Standard Power Supply</p>	<p>Please refer to SBB No. 2018-017-01 dated 22 November 2018 as posted at the PhilGeps and the PAGASA websites.</p>

<p>TOR Pages 5-7</p> <p>HPC hardware requirement: 2.1. Master Node Server 2.3 Infiniband Switch 2.4. Gigabit Ethernet Switch 2.5 Network Attached Storage</p> <p>Please confirm if these items are 1 unit each only, meaning no redundancy/high availability</p>	<p>The Master Node Server shall be configured as RAID 1; while, the Infiniband Switch, Gigabit Ethernet Switch and Network Attached Storage shall be 1 unit each.</p>
<p>TOR pages 16-17</p> <p>r. IBMS PC Control Stations Workstation/ Server hardware details (2 sets)</p> <p>Please remove HPE brand-specific descriptions like: HPE DDR4 SmartMemory, HPE Ilo Standard, HPE OneView Standard and Advanced Premium Security, HPE ML110 Gen10, HPE Ethernet, HPE SmartArray S100i?</p>	<p>Item r. IBMS PC Control Stations Workstation/ Server Hardware details (2 sets) of the TOR is hereby amended to remove the following: <u>HPE DDR4 SmartMemory, HPE Ilo Standard, HPE OneView Standard and Advanced Premium Security, HPE ML110 Gen10, HPE Ethernet, HPE SmartArray S100i.</u></p>
<p>TOR pages 17-18</p> <p>3.6. CCTV</p> <p>The CCTV System shall be IP based system with monitoring camera units couples to a low voltage weather-proof external Passive Infrared Red (PIR) motion detector designed to simultaneously or individually control CCTV switchers and video recorders. The PIR motion detector senses the movement and triggers the recording of the event.</p> <p>As indicated, the system shall be IP based however, the listed specifications of the camera are analog including Digital Video Recorder. This should be network video recorder.</p>	<p>Please refer to SBB No. 2018-017-01 dated 22 November 2018 as posted at the PhilGeps and the PAGASA websites.</p>
<p>TOR Pages 18-21</p> <p>3.8. Network and User Activity Monitoring (Single Software with the following modules)</p> <ol style="list-style-type: none"> a. NPM b. Device Inventory c. User Activity Monitoring d. Helpdesk Ticketing software e. Oracle Data Guard f. User Management g. Management Server <p>3.9 Data Center Infrastructure Monitoring (Server)</p> <ol style="list-style-type: none"> a. data center management software b. supply install and configure one set server <p>How many licenses are we going to include on these modules?</p>	<p>There should be 300 licenses as stated in the TOR.</p>

<p>TOR Page 22</p> <p>3.11 Outdoor LED Billboard (5m x 4m)</p> <ul style="list-style-type: none"> • Pixel Pitch 6.4 mm • LED type SMD3535 • Driving Mode 1/5 scan • Max. Input Power (W/m2) 450 • Ave. Input power (W/m2) 180 • Signal interface AV, S Video, VGA, DVI, HDMI,SDI, DP <p>May we request to relax the requirement to pixel pitch to 6.00mm?</p> <p>12. Can we offer an equivalent technology for the LED type?</p> <p>13. May we request to relax the requirement to ¼ Driving mode.</p> <p>14. Requesting to relax the requirement to max input and Ave. input power to “manufacturer standard”</p> <p>15. May we request to simplify the requirement to HDMI and DVI only?</p>	<p>For items:</p> <p>11-13. We will adhere to the contents of TOR.</p> <p>14. In accordance to the manufacturer standard</p> <p>15. Signal Interface: VGA, DVI and HDMI</p>
<p>3.13. Video Wall</p> <ul style="list-style-type: none"> • Screen size (Inches) 55” • Connectivity HDMI , DP, DVI-D, RGB, Audio, IR Receiver • Supersign computability <p>16. Please provide required size of the Bezel.</p> <p>17. May we request to rephrase the connectivity to “manufacturer Standard” Since different brands has their own ports</p> <p>18. Is it okay to remove “Super sign computability?” We will just offer the manufacturer’s standard software technology.</p>	<p>16. Bezel size is 1.7 mm bezel to bezel</p> <p>17. Manufacturer standard but HDMI, DVI, audio and IR receiver must be present.</p> <p>18. Yes, “Super sign computability” may be removed.</p>
<p>TOR Page 55</p> <p>XI. FACTORY AND SITE TRAINING</p> <p>On –site refresher training on the 2nd and 3rd year for two (2) personnel for five (5) days shall be conducted and all expenses shall be borne by the winning bidder.</p> <p>19. Please confirm if the onsite here means Mactan, Cebu</p>	<p>Yes, onsite means Mactan, Cebu.</p>

<p>TOR Page 56 XIII. WARRANTIES All workmanship, system parts, accessories, other materials and equipment and services shall be warranted by the winning bidder for three (3) years. Any workmanship, system parts, accessories, other materials and equipment that fail to provide satisfactory operation during this warranty period shall be replaced at the winning bidder's expense. While the equipment is undergoing repair, a spare unit will be supplied to PAGASA.</p> <p>20. We would like to advise that the consumables are not covered by the warranty</p>	<p>Standard warranty guidelines on the items or goods delivered, except on the no. of years, as required by the Project, shall be observed.</p>
<p>TOR page 57 XIV. AFTER SALES SUPPORT The winning bidder shall include in its bid a commitment for at least ten (10) years support to PAGASA for the repair and maintenance of the supercomputer system to be supplied</p> <p>The required warranty coverage for this bid is only three (3) years, thus, may we request to reduce the requirements to "up to 5 years" only since it is the standard lifespan of IT equipment? And that the support is exclusive of cost of the repair, maintenance, and parts replacement.</p>	<p>The statement, "The winning bidder shall include in its bid a commitment for at least ten (10) years support to PAGASA for the repair and maintenance of the supercomputer system to be supplied", pertains to the commitment that the product will be market supported for a period of ten years. Hence, it shall be maintained.</p>
<p>TOR page 57 XIV. AFTER SALES SUPPORT c. OEM of the UPS and PACU system shall offer an unconditional guarantee warranty of equipment for a period of 36 months against any failure.</p> <p>May we request to relax the requirement to "OEM of the UPS and PACU system shall offer a standard manufacturer's warranty of equipment for a period of 36 months against any failure"?</p>	<p>Item c of XIV. After Sales Support is hereby amended:</p> <p>FROM: "...unconditional guarantee warranty. . ."</p> <p>TO: "...standard manufacturer's warranty . . ."</p>
<p>TOR page 58 XV. TERMS OF PAYMENT 23. We would like to request approval for a progressive payment for this project due to its magnitude.</p>	<p>Payment method shall be governed by the terms and conditions set forth under items 10 (10.1 to 10.5) and 11 (11.1 to 11.3) of the General Conditions of the Contract (GCC), Philippine Bidding Documents.</p> <p>In view of the foregoing, below is payment schedule that will be imposed for purposes of the</p>

	<p>smooth implementation of the instant Project, to wit:</p> <p>a. On Contract Signature: <u>Fifteen Percent (15%)</u> of the Contract Price shall be paid within sixty (60) days from signing of the Contract and upon submission of a claim and a bank guarantee for the equivalent amount valid until the Goods are delivered.</p> <p>b. On Delivery, Installation, Testing and Commissioning of all the Goods/Equipment on site: <u>payment shall be made according to the Price Schedule of the Goods delivered but not to exceed Sixty-five percent (65%) of the Contract Price</u> within sixty (60) days and upon submission of the complete documentary requirements.</p> <p>Payment must only be made after the appropriate inspection and acceptance procedures, as mandated by existing government rules and regulations, have been complied with by the Procuring Entity.</p> <p>c. On Acceptance of the Project: The remaining twenty percent (20%) of the Contract Price (less the cost of the 12-month subscription) shall be paid to the Supplier within sixty (60) days after the date of submission of the acceptance and inspection certificate for the respective delivery issued by the Procuring Entity's authorized representative.</p> <p>Rules governing the deduction of Retention Money shall likewise be applied.</p>
<p>OCULAR VISIT</p> <p>24. Is the ocular visit mandatory? If yes, will PAGASA issue certification/proof that the bidder conducted a site visit in Mactan?</p>	<p>Ocular inspection of the site is not mandatory; however, prospective bidders are advised to conduct the same in order to prepare the Construction Methodology in accordance with the actual Site Condition.</p>

C. Query from SMS GT

QUESTION/s	PAGASA-BAC ANSWER/s
<p>1. Will the necessary plans such as vicinity map, architectural, SLD, Mechanical, Auxiliaries etc., be provided?</p>	<p>Given a relatively limited period of time in the preparation of the stated requirements, prospective bidders shall instead be required to indicate compliance with each specific requirement with a categorical statement that they will comply accordingly with the Terms and Conditions set forth under the Terms of Reference of the instant Project.</p>

	A specific line-item budget for every schedule of deliverables shall likewise be indicated by the prospective bidders in their respective bid proposals pursuant to the pertinent provisions of the Instructions to Bidders.
2. On VII. 3.1.A.: Telco Room does not indicate the supply and installation of FM200. Do we include same in our proposal? Please confirm.	The gas fire suppression system will only apply to the server room and the NOC.
3. On VII. 3.5.O.: As indicated we shall provide 5kVA UPS for the IBMS. Please advise the following: a. <i>Equipment load for 5kVAUPS</i> b. <i>The location of IBMS if at Security Area or NOC Room?</i>	a. electronic sensors and control system equipment. b. The location of the main system shall be at the NOC with basic monitoring and control at the security room.
4. On VIII. 4.3.3.11: Separate cable ladder for data and power with a minimum distance of 3ft. a. <i>The distance of 3ft is the edge to edge of cable ladder which would have a space of 1ft in between as cable ladder size would be 1ft. Please confirm.</i> b. <i>If the space between the 2 cable ladders is 3ft this will exceed the rackspace.</i>	The proposal should set the cables apart at the maximum distance possible.
5. OnVIII.4.3.3.13: STS minimum of 600AT redundancy from two UPS a. <i>Please advise if 600AT a typo-error only and the correct rating is only16AT.</i> b. <i>STS is rack-mountable and being installed in a rack to support single feed equipment i.e.switch</i> c. <i>Please advise required quantity of STS</i>	a. No, the 600AT rating of the STS is based on the rating of the UPS. b. This is floor mounted. c. Please refer to item VIII. 4.3.3.13, second bullet of the TOR.
6. On VIII. 4.3.4.1: Comfort cooling a. <i>How about the air-con for the other rooms, please advise.</i> b. <i>No AHU room indicated; Bidders will include, please confirm.</i> c. <i>Location of all condensing units if at the rook deck? Please confirm.</i>	a. The lobby should have a 3TR cassette type ACU. It is already included in the ABC. b. Yes. It should be included. c. They will be located at the back of the building.
7. On VII. 3.9.a: Data Center Management a. <i>Is there any specific expectation apart from (1) monitoring of UPS, PACUs and DC infrastructure and (2) Inventory Management; How about capacity management? Is this required?</i> b. <i>IP Address Management and Password Management. Can we find out more in regards to this requirement?</i>	a. Yes, capacity management is required. b. IP address management calls for the auto management directory for IP addresses. Password management will be the application which can monitor and alter passwords within the controlled network environment.

<p>c. <i>Application Impact Analysis – This can be done on the rack level, defining the type of server, OS, application that will be affected due to a failure of a server or rack. Is this what PAGASA is looking for?</i></p>	<p>c. Yes, it is a system requirement.</p>
<p>8. On IV. QUALIFICATIONS OF THE BIDDERS</p> <p>May we request amendment (leniency) on the description below?</p> <p><i>“Must have at least five (5) years of experience in the installation of HPC and of providing computing resources intended for scientific and technical problems on the premise of computer simulation. Bidders should submit proof of completed/awarded contracts of similar scope”</i></p> <p>To:</p> <p>Must have experience in deploying ICT solutions specific to scientific and/or data modelling solutions. Bidders must submit proof of completed/awarded contracts of similar scope.</p> <p>We believe that if the current description is maintained, it may limit the number possible bidders and may exclude other highly qualified firms to participate as the bulk of the project is the contracting of the structural deployment of the Mactan Data Center Building.</p>	<p>Item IV. QUALIFICATIONS OF THE BIDDERS is hereby amended to read as:</p> <p>“Must have experience in deploying ICT solutions specific to scientific and/or data modeling solutions. Bidders must submit proof of completed/awarded contracts of similar scope”, on the contrary, the required number of years, at least five (5) years, is still a requirement. Therefore, the revised statement will be,” Must have at least five (5) years of experience in deploying ICT solutions specific to scientific and/or data modeling solutions. Bidders must submit proof of completed/awarded contracts of similar scope</p>
<p>9. On XIV. AFTER SALES SUPPORT</p> <p>The winning bidder shall include in its bid a commitment for at least ten (10) years support to PAGASA for the repair and maintenance of the supercomputer system to be supplied.</p> <p>Question: Does this mean that the warranty is 10 years, or a commitment that the products will be market supported within a 10 year period?</p> <p>10. On Page 5 2.2. 26x Compute Node Server d. Memory: Configured with at least 32GB DDR4-2666 Registered ECC DIMM</p> <p>Question: 32G for compute node seems small, can we confirm it?</p>	<p>The statement shall be construed as referring to the winning bidder’s(supplier’s) commitment to the Procuring Entity that the products will be market supported within a 10 year period.</p> <p>The minimum requirement is 32 GB.</p>

<p>11. On Page6: 2.4. 1x Gigabit Ethernet Switch</p> <ul style="list-style-type: none"> a. Must bebranded b. 48x RJ-45 auto-sensing (10/100/1000Base-T) fixedports c. 32x 10GbE SFP+ports <p>Question: What's the propose of 32 pcs 10GB SFP+ ports for 1 Ge Switch? The switch will still remain 1GB even with 10Gbe SFP is attached.</p>	<p>It should be 2 x 10GbE SFP+ ports.</p>
<p>12. On Page7: 2.6. 2x Graphics Server</p> <p>Question: there is no requirement for GPU card for GPU server?</p>	<p>None</p>
<p>13. The requirements for WRF and software are very broadly described. For the WRF only initial setup and graphical outputs are somehow described.</p> <ul style="list-style-type: none"> a. Who will configure and fine tune model during the operation, as this is long-term job that consists of comparing the forecasts with actual weather measurements and adjusting the model parameters? b. How about updates of the WRF model - this software is maintained and developed over the years there are new features, bug fixes etc. Will updates be included in the service? c. The WRF model needs input data from GFS (Global Forecasting System) operated by NOAA - there is nothing about this point in the Bid documents. This data is available every 6 hours and is for free. However, it is updated every 6 hours - but the technical specifications requests rerun of model domains every 3 hours – will there be other data sources that will provide input data every 3hours? d. Also the initial data is downloaded using internet connection - HTTPS protocol - this is not mentioned in the technical specifications, who will supply the connection and the link capacity. 	<ul style="list-style-type: none"> a. PAGASA currently has an existing WRF system running. It has been fine tuned and in operation for approximately eight (8) years. b. Yes, updates are included. c. WRF must nest within the ¼ degree data of the Global Forecast System (GFS). The current PAGASA WRF system runs on a three-hour updating scheme using GFS. d. PAGASA will supply the connection and the link capacity.
<p>Based on the above, we would like to request for two (2) week extension on the bid submission date</p>	<p>Refer to SBB No. 2018-017-02 (re-schedule of submission and opening of bids)</p>

in order for us to have enough time to complete our eligibility and technical documents.	
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D. Query from MULTI-FOLD LINKS, INC.

QUESTION/s	PAGASA-BAC ANSWER/s
I. In reference to the SBB reply on request to consider milestone payment, we would to ask in case of an award, what would be indicated in the contract terms of payment. We understand that this is a mixed procurement. Based from experiences government agencies allow milestone payment even though the mode of procurement was goods. A turn-key project worth PhP 300 million is a risky undertaking for the contractor. Still, the project is primarily protected by a performance bond which gives assurance to the procuring entity on project completion. Your kind consideration on this request will be greatly appreciated.	Please refer to pages 9-10 of this Supplemental/Bid Bulletin for reference.

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