



6 December 2023

SUPPLEMENTAL BID BULLETIN
ADDENDUM NO. 2023-022-01

Subject: Supply, Delivery, Installation, Testing and Commissioning of One (1) 80kVA, 400 VAC, Three Phase, Uninterruptible Power Supply (UPS) for IHPC Server Room (Reference: 2023-11-0655 / IB No. 2023-022)

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 during the Pre-Bid Conference

Query	Answers
<p>For the SLCC,</p> <ul style="list-style-type: none"> Can it be for private or government? Does it need to be a UPS with the exact specifications 80kVA, 400VAC, etc. to be considered? 	<p>Statement of bidder's SLCC similar to the contract to be bid for private or government sector are allowed.</p> <p>For purposes of this instant Project to be bid, a Single Largest Completed Contract (SLCC) that is similar in nature and complexity therewith must be similar to contracts involving supply, delivery, installation, testing and commissioning of One 80kva, 400vac, three phase Uninterruptible Power Supply.</p> <p>In the case at hand, the prospective bidder must be able to provide information that the UPS component of said power-related project complies with the requirements of the procurement law and its rules and regulations.</p>

Queries from: **American Technologies Inc.**

Query	Answers
<p>1. TOR 4. Battery 4.3, 4.4 Both of this should be under UPS Electrical Output only since this are both VAC specs. Please remove under Battery</p>	<p>This should be under UPS Electrical Output only. We can remove it under Battery.</p>
<p>2. TOR 4. Battery 4.10 Charging Current (at full load) "24A" is ave. specs for 12V 80AH Existing Batteries only. Since stated in 4.13 that Batteries to be used is rated at 12V 42AH the ave. Charging current is at 16A (Safety Concern) Please Change from 24A to 16A since recommended batteries are 12V 42AH</p>	<p>The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government. s specific requirements.</p>
<p>3. TOR 5. General 5.4 Parallel Technology Powerware Hot Sync Techonology. This is trademark specific to only one brand.</p>	<p>UPS must be parallelable without physical connection and without "master and slave". Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that,</p>

"tracking the sky...helping the country"



Query	Answers
Please generalize the term "Parallelable Configuration for future Application" and allow other brands to bid.	the same is compliant and responsive to the project's specific requirements.
4. TOR 5. General 5.5 5.7 Dimensions as discussed in the Pre-bid as long as site is able to accommodate the space based on ocular inspection	We will allow the equipment dimensions that can fit the space provided on-site.
5. TOR 9. Communication Accessories 9.5 Environmental Monitor Probe (EMP) This accessory terminology is specific to only one brand. Please generalize the the term "UPS is Capable of Environmental Monitoring Via Web/SNMP" and allow other brands to bid.	UPS must be Capable of an "Environmental Monitoring probe" Thus, the interested bidder/s may be allowed to make an alternative solution/offer that is compliant and responsive to the project's specific requirements.
6. TOR 10 System Accessories 10.5 10.6 Existing setup does not have or require such accessories we suggest it to be "Optional" only	It can be optional
7. TOR VII. Scope of Works a. Preferred location of the dismantled existing malfunctioned UPS system is this is within PAGASA DIC Building premises only?	Within the vicinity of WFFC PAGASA Compound
8. TOR VII. Scope of Works c. Clarification as per TOR new wires/cables are required and the re-use of existing wires/cables are prohibited. definite stand point from the end-user	The wire/cables shall be replaced and additional ones provided as necessary.
9. TOR Type of UPS needed? Modular or Monolithic (Standalone) definite stand point from the end-user	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present alternative solutions/offers in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements. and is advantageous on the part of the government.
10. TOR 4. Battery 4.3, 4.4 Both of this should be under UPS Electrical Output only since this are both VAC specs. Please remove under battery	This should be under UPS Electrical Output only. We can remove it under Battery.



Queries from: LSI Leading Technologies Inc.

Query	Answers
<p>1. Under 4.13 Battery Number and Rating -</p> <p>Is the battery requirements means 80 x 12V 42A, so this is a 2 strings of 40 x 42AH 12 V battery?</p>	<p>The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.</p>
<p>2. Under 5.4 Parallel Technology - Powerware Hot Sync Technology –</p> <p>Can we delete the word Powerware because it refers to an Eaton brand of UPS? In order for us Bidders a chance to join if we can generalize the term?</p>	<p>UPS must be parallelable without physical connection and without “master and slave”.</p> <p>Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive to the project's specific requirements.</p>
<p>3. Under 6.1 Display - Graphical LCD with blue backlight.</p> <p>Can we offer Graphical LCD with different color backlight?</p>	<p>The interested bidder/s may be allowed to make an alternative offer that is compliant and responsive to the project's specific requirements</p>
<p>4. Under 8.1 EMI Standards - EN55022/EN55024 –</p> <p>Can we offer EMI Standards EN55022/EN55024?</p>	<p>Yes, kindly refer to the TOR</p>
<p>5. Under 9.5 116750224-001 –</p> <p>What do you mean by this number 116750224-001?</p>	<p>It's a Manufacturing part no. for the environmental monitoring device. Thus, the interested bidder/s may be allowed to make an alternative offer that is compliant and responsive to the project's specific requirements.</p>
<p>6. Under 10.3 System Parallel Modules –</p> <p>Can we also delete based on our site inspection, the existing UPS is on a stand-alone UPS and not on a parallel set-up.</p>	<p>UPS must be ready for parallel set up for future expansion.</p> <p>Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements.</p>
<p>7. Under 10.4 Dual Input Kit –</p> <p>Can we also delete this because the existing UPS is not on a dual input kit configuration and you only have one existing input supply at the server room for each UPS.</p>	<p>Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements.</p>
<p>8. Under 10.5 IP21 Hood –</p> <p>Can we also delete this because the existing UPS has no IP21 Hood?</p>	<p>It can be optional</p>

“tracking the sky...helping the country”



Query	Answers
9. Under 10.6 Rear Chimney – Can we also delete this because the existing UPS has no Rear Chimney?	It can be optional
10. Upon checking the specifications of the UPS, it was based and copied upon an Eaton brand of UPS. Only an Eaton brand of UPS can match the specified specifications exactly. Can we offer our own brand with our own specifications equivalent to the specified specifications listed on the requirements in order for us bidders given a chance to join the bidding?	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present their offered UPS Brand in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements and is advantageous on the part of the government.
11. Delivery lead time from 60 days to 90 days	In view of the urgency of the needs of the Project, the Delivery Period as set in the bidding documents, i.e., within 60 calendar days from issuance of the Notice to Proceed (NTP) shall be maintained.
12. SLCC from 3 years to 5 years	SLCC similar in nature to the contract to be bid within the period of 5 years

Queries from: **EGMS Systems Global Technologies Inc.**

Query	Answers
1. Item 2.2 “Input Voltage Range: -15%, +20% from nominal (400V) at 100% load without depleting battery”, will you be consider a 340V (-14.5%) to 480V(+19.25%) voltage range for this project in order to make the specifications inclusive on brands available in the market?	The specification is advantageous to the government Since, If the voltage range is wide, the transfer to the battery would be reduced therefore prolonging the battery life.
2. Item 3.1 “Nominal Output Voltage: 400/230V, 4 wire (380/415 selectable)” please consider a 400V, 3Phase output since as per our site inspection, and the load to be connected to the UPS, we may use this output connection to power up the load with no additional cost to PAGASA	
3. Item 3.2 “Output Voltage Regulation: +1% Static; +6% with 5ms recovery on 10%-90% load step” Will it be possible to provide a voltage output tolerance of +/- 2% since as per industry usage, this tolerance is acceptable in terms of the use of the UPS to the connected load and will not affect the load's performance and uptime.	The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive to the project's specific requirements.
4. Item 3.4 “Load Output Factor: 0.7 lagging – 0.9 leading without derating” Please consider a power factor of 1.0 as this gives you more usable power capacity meaning 80kVA will give you 80kW	

“tracking the sky...helping the country”



<p>5. Item 4.2 “Charging Method: ABM Cyclic Charging”</p> <p>Please consider a standby application of charging as this reduces the wear and tear of the batteries prolonging its service lifespan</p>	<p>Standby charging is not an option because it may not be a reliable solution during sudden power interruptions.</p> <p>The specifications of the end-user provide more reliable and consistent power backup during sudden power interruptions.</p>
<p>6. Items 4.3 and 4.4.</p> <p>We request that these line items to not be included in the specifications as these equipment specs should fall under the UPS itself and not the batteries</p>	<p>This should be under UPS Electrical Output only. We can remove it under Battery.</p>
<p>7. Item 5.4 “Parallel Technology: Powerware Hot Sync® Technology”</p> <p>May we request a parallel capable UPS instead since the powerware hot sync technology is used only by the Eaton 93PX model. This is to make the bid more inclusive to different brands in the market</p>	<p>UPS must be parallelable without physical connection and without “master and slave”.</p> <p>Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive to the project’s specific requirements.</p>
<p>8. Item 5.8 “Color: Black, RAL 9005”,</p> <p>Please consider the white RAL 9003</p>	<p>The end-user preference for Black color provides a more cohesive and visually appealing setup.</p>
<p>9. Item 6.5 “Communication Slots: (2) Mini-slot communication bays”</p> <p>Kindly consider an included slot for NMC which is included in our proposed model and solution to be used as a remote monitoring solution free of charge</p>	<p>The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive to the project's specific requirements.</p>
<p>11. Item 7.2 “Storage Temperature: -25°C to +55°C without batteries +15°C to +25°C with batteries”</p> <p>Kindly consider a storage temperature of a maximum of 40 °C since as per our site inspection, the PAGASA environment where the UPS may be stored will not reach this temperature and to have a more inclusive specification for other brands</p>	

Queries from: **Computer Support Center, Inc.**

Query	Answers
<p>1. POWER Rating 80kVA/72kw</p> <p>The required rating shows a.9 power factor that’s why the KVA rating required is 80 KVA but the only real power required is 72kw, so is it okay if we use a unity power factor of 1 to efficiently minimize the kva rating needed but still accommodating the 72kw needed, for example 75kva/75kw.</p>	<p>The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive to the project's specific requirements.</p>

“tracking the sky...helping the country”



<p>2. Operating Frequency 50/60 Hz (42 to 72 Hz)</p> <p>Can we adjust the frequency required because the frequency requirements only cater one UPS brand only.</p>	<p>No; this is especially important if the UPS is powered by a generator during a sudden power outage.</p>
<p>3. BATTERY Charging Current (at full load) 24A</p> <p>Why is the charging current required 24A if the maximum recommended time for restoring energy of the battery is 10 hours, because it will only take 1.75 hours for 24A to charge, so can the charge current be adjusted to the charging current that will take advantage of the 10 hours maximum recommended charging time</p>	<p>The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive to the project's specific requirements.</p>
<p>4. Back-up Time at Full load 10 minutes</p> <p>What is the full load capacity that the full load is pertaining to? Is it the 80kVA at 0.8 pf, or at 0.9 pf, or at 72kW? Do you also require battery computation and dummy load testing?</p>	<p>At least 0.9 pf, or at 72kW at Full Load</p>
<p>5. GENERAL Efficiency >98% High Efficiency Mode</p> <p>Is the 98% high efficiency mode really necessary? Because the high efficiency mode is just talking about the bypass mode which doesn't protect the load at all and leaves the load prone to unexpected problems.</p>	<p>At least >98% High Efficiency Mode and >94% Double conversion mode.</p>
<p>6. UPS Bypass Automatic on overload of UPS Failure</p> <p>What do you mean by automatic on overload of UPS Failure</p>	<p>There's a typographical error on our side, it should be "UPS Bypass – Automatic on overload OR UPS Failure.</p>
<p>7. Parallel Technology Powerware Hot Sync® Technology</p> <p>Can this be omitted as well because it is a very brand specific description</p>	<p>UPS must be parallelable without physical connection and without "master and slave".</p> <p>Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive to the project's specific requirements.</p>
<p>8. Dimensions W x D x H (mm) 600 x 800 x 1880</p> <p>Why is the dimension needed specific as well, doing the site inspection, our engineer observe that there's still some more space available in the area, can we adjust the UPS dimensions in accordance to the still available area on the site.</p>	<p>We will allow the equipment dimensions that can fit the space provided on-site.</p>



<p>9. Cabinet Rating IP20 with standard washable dust filters</p> <p>Why is there a need for a standard washable dust filters, does the site have dust?</p>	<p>Yes, the site has minimal dust.</p>
<p>10. Weights without internal battery 245kgs.</p> <p>Why is there a specific requirement for the weight? Is there a weight limit for the floor of the site? What is the weight limit for the floor of the site</p>	<p>The interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive to the project's specific requirements.</p>
<p>11. Color Black, RAL 9005</p> <p>Is there a need for the UPS to be black? Can it not be other color?</p>	<p>The end-user preference for Black color provides a more cohesive and visually appealing setup.</p>
<p>12. ENVIRONMENTAL Operating Temperature 0°C to +40°C</p> <p>Will the UPS be place into a room with +40C temperature, can it be run in the battery room which have a recommended max temperature of +25C, operating the UPS in the 40Ctemperature range everyday will stress out the UPS and may cause problems for the UPS</p>	<p>Even though the UPS will be installed in a room with a temperature +40C, it must still be capable of operating under extreme temperatures in case of unexpected cooling loss.</p>
<p>13. CERTIFICATIONS Quality ISO 9001:2000 and ISO 14001:1996</p> <p>Does this refer to manufacturers certificate? Or do bidder also need to provide the ISO 9001 certificate?</p>	<p>Yes, this refers only to the manufacturer certificate.</p>
<p>14. COMMUNICATION ACCESSORIES</p> <p>Are all of the communication accessories stated in the TOR are all really required? Because it would just be an added quotation and will just make the pricing expensive even though it's not gonna be used, what are the communication card that are important for your application and the one you will be using?</p>	<p>It is essential to have communication accessories that allow for remote monitoring and BMS integration.</p>
<p>15. SYSTEM ACCESSORIES IP21 Hood</p> <p>Why is there a need for an IP21 HOOD, does the site's roof have problems? Does the site have water droplest coming from the ceiling?</p>	<p>It can be optional</p>
<p>16. Rear Chimney</p> <p>Why is there a need for rear chimney?</p>	<p>It can be optional</p>
<p>17. FEATURES Provides surge suppression for the load.</p> <p>UPS have a surge suppression features to protect it self from surges but not for the load, what you need for surge suppression is a TVSS as well.</p>	<p>The technical specifications indicated in the TOR represent the minimum requirements of the Project. Thus, interested bidder/s may present alternative solutions in their respective proposal/s; provided that, the same is compliant and responsive with the project's specific requirements.</p>

"tracking the sky...helping the country"



<p>18. Detects the location of faults (utility or load) and takes appropriate action.</p> <p>What do you mean by this? Because this is not what UPS do, UPS provides backup power when your regular power source fails or voltage drops to an unacceptable level, this doesn't include detecting location of faults at the load and taking actions for it.</p>	<p>This means UPS must be able to detect alarms, faults, battery status, measurements, and readings through its Graphical LCD Display.</p>
<p>19. TECHNICAL DOCUMENTS</p> <p>Statement of bidder's Single Largest Completed Contract (SLCC) similar in nature to the Contract to be bid within the period of three (3) years, unless otherwise stated in the BDS.</p> <p>Is it only pertaining to Government Single Largest Completed Contract? Or can we also use Private Single Largest Completed Contract?</p>	<p>. SLCC similar in nature to the contract to be bid within the period of 5 years.</p> <p>Statement of bidder's SLCC similar to the contract to be bid for private or government sector are allowed.</p>

This shall form an integral part of the Bid Documents.

For guidance and information of all participating bidders.

Sgd.
BONIFACIO G. PAJUELAS, Ph.D.
Chairperson, PAGASA-BAC

