



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

**Philippine Atmospheric, Geophysical and Astronomical Services
Administration (PAGASA)**

07 July 2021

**SUPPLEMENTAL / BID BULLETIN
ADDENDUM NO. 2021-027-01**

Subject: "Supply, Delivery, Installation, Testing, Training and Commissioning of Two (2) Units of 10 KVA Uninterruptable Power Supply (UPS), One (1) Unit Internal Battery and Three (3) Units Battery Packs" / ABC Php 1,962,358.00 / PR No. 2021-06-0383 / Ref. No. IB 2021-027

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 the written clarificatory questions submitted by prospective bidders, to wit:

Query from Automation Specialists & Power Exponents, Inc.

Question(s)	PAGASA BAC Answer(s)
For Technical Specifications:	
1. For two (2) units of 10KVA UPS, is it Rack Mount or Tower Design?	Rack Mount Type.
2. Output Connections of UPS, six (6) IEC 320 C13 and six (6) IEC 60320 C13, is it total of 12pcs or 6 pcs only?	Please refer to the attached electrical diagram.
3. Output Connections of UPS, four (4) IEC 320 C19 and four (4) IEC 60320 C19, is it total of 8pcs or 4pcs only?	Please refer to the attached electrical diagram.
4. For Output Connections, can we offer PDU or Power Strip to be connected in the UPS Output? (External)	Yes. Please refer to the attached electrical diagram.
5. Input voltage, is it Single Phase or Three Phase?	Single Phase.
6. Output voltage, is it Single Phase or Three Phase?	Single Phase.
7. To be specific, what to be use 230V or 400V 3-Phase on the input and output?	230V, Single Phase.
8. Input connections, Hard Wire 3-wire (1P + N + E). Hard wire 3-wire (3P + N + E) can we offer Single Phase 3 Wires only?	Nominal Output Voltage, 230V Other Output Voltages, 220V, 240V Single Phase.
9. What is the operating voltage of your load? 220, 230, 240V? Single Phase or Three Phase?	Please refer and comply with what is mentioned in the Technical Specifications.

10. For Batteries and Runtime: Nominal Battery Voltage, if the unit is Single Phase only, can we remove the required neutral? That is applicable to Three Phase UPS.	Please refer and comply with what is mentioned in the Technical Specifications.
11. Can we conduct Onsite inspection? That will be a reference for project costing.	Yes.
12. If onsite inspection is not possible, may we know how many meters of wires will be used for UPS to distribution panel and power supply to UPS?	We have answered "Yes" on the Question No. 11. Now, if its not possible (for any reason) for onsite inspection, as you mentioned in this query, the actual length of wires will be determined by our technical personnel. You can coordinate with them later for the wire length requirement.
For Delivery Period:	
Due to pandemic, our manufacturer is experiencing a shortage of raw materials which cause the delay or unable to finish the production on time, can we extend the delivery period from sixty (60) to ninety (90) calendar days?	Yes. The Delivery Period will be change from Sixty (60) to Ninety (90) calendar days.

Query from **LSI Leading Technologies, Inc.**

Question(s)	PAGASA BAC Answer(s)
Two (2) Units of 10KVA UPS	
1. Upon checking existing UPS that will be replaced are rackmount. Please confirm if we should also offer Rackmount UPS	Yes, you should offer Rack Mount UPS.
2. Output Output Connections (3) IEC Jumpers (6) IEC 320 C13 (1) Hard Wire 3-wire (H N + G) (6) IEC 60320 C13 (4) IEC 60320 C19 (4) IEC 320 C19 Question: Since this is not currently utilized, can we just offer POWER STRIPS with Philippines standard 3 Prong sockets?	Please refer to the attached electrical diagram and comply with what is mentioned in the Technical Specifications.
3. Input Nominal Input Voltage 230, 400V 3PH Input Connections Hard wire 3-wire (1P + N + E). Hard wire 5-wire (3P + N + E) Question: Existing UPS only uses Single phase 220V, can we just offer UPS that can accept only Single Phase 220V, since the 3 phase 400V will not be utilized?	Please refer to the attached electrical diagram and comply with what is mentioned in the Technical Specifications.

<p>4. Input voltage range for main operations 100–275 Adjustable (half load), 160-275, 173-476 Adjustable (half load) V</p> <p>Question: Adjustable voltage range are only available in APC UPS. But the full adjustable range 100-275 cannot be used at a certain time. You can only select a certain range for the UPS to use. Example 100-265, 110-275. Can we just offer a fixed range at 110-275?</p>	Please refer to the Technical Specifications.
<p>5. Batteries and Runtime Nominal Battery Voltage +/- 192V (split battery referenced to neutral) RBC Quantity 2 Battery Charge Power (Watts) 1.195k Watts</p> <p>Question: The battery voltage, RBC quantity and charge power is specific to an APC UPS, different UPS manufacturers has its own configuration and design. The battery voltage will determine the quantity of the batteries, the charge power will depend on the battery voltage. Can we just offer other configuration but equivalent to the required backup time of 3.8mins at full load and 11.5mins at half load?</p>	Please refer to the Technical Specifications.
One (1) Unit of Internal Battery	
<p>1. Based on the site inspection, this battery is for an existing working APC UPS SRT10KXLI. Please confirm.</p>	Yes.
<p>2. Typical recharge time 1.5 hours Battery Charge Power (watts) 1.195k Watts</p> <p>Question: Above technical specs are not applicable since this is just batteries. These are specs of a UPS charger.</p>	These specifications were written in the Technical Manual we refer on.
Three (3) Units of Battery Pack	
<p>1. Based on the site inspection, the 3 units battery pack are for the following:</p> <p>a. Additional battery pack for the 2 brand new UPS with additional 3.8mins backup at full load and 11.5mins at half load. 1 Battery pack per UPS. Please confirm.</p> <p>b. The other battery pack is additional EBM for the existing APC UPS SRT10KXLI. Please confirm.</p>	<p>a. Yes.</p> <p>b. Yes.</p>
<p>2. Battery voltage +/- 192V Number of battery replacement quantity 2 Color Black</p>	Yes, as long as your offer will comply to our requirements as mentioned in the TOR.

<p>Depth 68.27cm Height 13cm Net weight 91kg Number of rack unit 3 Width 43.2cm</p> <p>Question: As mentioned in our previous question this configuration is specific to an APC UPS. Can we just offer other configuration but equivalent to the required backup time of 3.8mins at full load and 11.5min at half load?</p>	
<p>3. If one of the external battery pack is for the existing APC UPS SRT10KXLI. Only APC battery packs (EBM) are compatible with it because of the additional communication port embedded in the external battery cabinet. The battery cabinet will communicate with the UPS and the UPS will detect the new external battery pack. Any third-party external battery packs are not compatible because the UPS will not detect the new external battery pack.</p> <p>This is exclusive to APC, can we just take this out of the requirement?</p>	<p>The existing unit is still working and operational, if we need to add anything (external battery) as options to upgrade this unit, we definitely need a compatible unit.</p> <p>No. We can't take this out of the requirement.</p>

Query from **EGM Systems Global Technologies, Inc.**

Question(s)	PAGASA BAC Answer(s)
1. What will be the use of the One (1) unit internal battery? Will this be a replacement battery for an existing UPS? If yes, what is the existing UPS on site?	Yes, the existing UPS has a model number APC SRT10KXLI. It is placed inside the rack. But the manual for this model states that it is a tower type., we are procuring a Rack Mount Type. The Rack Mount Type for APC UPS has a model number SRT10KRMXLI.
2. In replacing Internal Battery for existing 10KVA it requires two (2) units/4 bullets?	Yes. 2 replacement battery cartridges.
3. The project requires us to supply three (3) new units of Battery Pack, and Two (2) units of UPS. Assuming that the two battery packs will be used as an external battery for the 2 new UPS, what will be the application of the third battery pack?	The third battery pack is for the existing UPS.
4. If the third battery park is to be used as an additional external battery for an existing UPS, kindly provide the brand and model of the UPS the battery pack will connect to.	Please refer to the answer on Item No. 1.
5. Preferred Tower or Rack Mounted?	Rack Mount Type.

6. May we request additional 60 days delivery lead-time as order basis equipment takes 90-120 days?	Yes. The Delivery Period will be change from Sixty (60) to Ninety (90) calendar days.
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Query from **Global Trends & Infrastructure Technologies Inc.**

Question(s)	PAGASA BAC Answer(s)
1. Rack Mount Type or Tower Type UPS?	Rack Mount Type.
2. Since we found out that the ampere rating of the existing breaker is 50A only, wherein the requirements is 70A, are we going to replace a brand new 70A breaker?	Yes.
3. Since the current setup is using the C20 terminal plug only, we are going to rectify the electrical for the load side of your existing defective SURT 10KVA?	Yes
4. For the Eligibility and Technical Components, in Tabbing, are we going to remove the word "Tab" in every document?	No.

This shall form an integral part of the Bid Documents.

For guidance and information of all participating bidders.


LANDRICO U. DALIDA JR., Ph.D.
 Chairperson, PAGASA-BAC 

ELECTRICAL ROOM

