

RFQ14Q0080 –UPS Units for ILEA

Compound

QUESTIONS AND ANSWERS

1. Supplying and installing one automatic transfer switch (ATS) for load balancing between the two UPS units. According to specifications provided in document "ATS.pdf".

Q/: *¿Can You specify in which cabinet, should be installed?*

The vendor is responsible to suggest the location according to best practices and information collected during the site visit.

2. There is a 30 KVA UPS unit located also in the Data Center, the necessary works and accessories (cabling, circuit breakers, etc.) are needed in order to move the current electrical load to the UPS circuit breaker panel located in the electrical room in the first floor. Electrical cabling with 100 amperes of capacity or higher with connection type triphasic with neutral and polarization should be included.

We understand that the actual load supported by actual UPS of 30kVA, will be distributed in two UPS of 40kVA each one, please confirm this.

Q/: *¿Do You need that we provide a second distribution panel to use it like source B? Please give us, an electrical diagram to understand this.*

The final distribution should be:

- **One NEW distribution panel for 40KVA UPS**
- **One NES distribution panel for 40KVA UPS**

The existing distribution panel for 30KVA UPS will be used for another project and also will cover the UPS electrical outlets for the 1st level of the administrative building.

3. The UPS power outlets located in the first floor should be tested, if there is a need to convert a specific or group of normal and emergency power outlets to UPS outlets the labor and materials (labels, orange faceplates, cabling, etc.) should be considered. Also the identification of the UPS power outlets is needed.

We need architectural or electrical drawings (diagram), with detailed location of the power outlets that you need to connect to UPS.

Q/: *¿Can you provide us these drawings (diagram)?*

Please see attached documents.

4. Data Center/Residence Hall.

In these location, we found an electrical panel with 30 poles and 125Amp with electrical conductor size 4 AWG in main feeds, it don't have electrical capacity to connect a UPS of 40kVA.

Q/: ¿Can you specify where we can found an electrical panel with capacity to connect this UPS, and the kind of canalization to use? We highly recommend to connect this new service direct to main panel in the SE (Sub Estacion)

The vendor is responsible to suggest the location according to best practices and information collected during the site visit. Please take into account that the output voltage of the electrical substation is 480V.

Please confirm the place to install the UPS. Because during the site survey visit showed us one place behind the racks to install the unit.

Location: In front of the Datacenter door.

5. Cabling room/Events hall.

In these location, we found an electrical panel with 30 poles and 125Amp with electrical conductor size 4 AWG in main feeds, it don't have electrical capacity to connect a UPS of 40kVA.

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The vendor is responsible to suggest the location according to best practices and information collected during the site visit. Please take into account that the output voltage of the electrical substation is 480V.

6. Cabling room/Forensic Laboratory

The actual power outlets that are wired to normal circuit, very often have mixed neutrals, and connections with illumination and other normal circuits. We highly recommend that you require to all the providers that install new wire and new circuits to avoid future problems. Please confirm if this is a requirement.

It is not a required to replace all the electrical cabling for all the UPS electrical outlets, just to move the existing ones to the new UPS distribution panel. Please take into account that the faceplates should be changed (Color required: Orange)

Please give us architectural or electrical drawings, with the location of the power outlets to be connected to UPS.

Please see attached document, in this case one double power outlet should be connected to the UPS network and the next one should not(normal) and so on.

7. 40 KVA – Quantity 4 (UPS Specifications). Maximum configurable power: 40 kW / 40 kVA

When you say maximum configurable power,

Q/ : ¿Can we assume that you require a modular and scalable UPS?

No

Normally these units specify a redundancy level, like N+1 by example, to assure the availability of the system all the time. Please confirm if the redundancy N+1 is required.

No, it is not required.

8. Supplying and installing two manual transfers with minimum capacity of 150 amperes, these will be installed in the Data Center and will be used to connect the UPS units. The necessary protections should be included in the circuit breaker panel (emergency and normal).

Please confirm us the number of poles that the manual transfer must have.

The UPS manufacturer normally recommends 4 poles to right isolation L1, L2, L3, and Neutral.

Use 3 Poles.

9. Supplying and installing manual transfer with capacity of 40 KVA.

Please confirm us the number of poles that the manual transfer must have. The UPS manufacturer normally recommends 4 poles to right isolation L1, L2, L3, and Neutral.

Use 3 Poles

10. *The capacity of the electrical generator is 249kVA/200kW; and new equipment in total add 180kVA to existing load.*

Q/: ¿Do You have considered this growth, to ensure that the generator has sufficient capacity?

100 KVA will be the additional load, not 180KVA, since the other 80KVA will be absorbed by the administrative building generator.

11. *¿ It's possible an extension of time for submission of the offer, (a week) to complete the design and information requested in RFQ SES600-14-Q-0080?*

Final date will be: September 18, 2014 at 10:00 AM

12. In the technical proposal is necessary to describe all items, equipment and activities to be install and supply?

Yes, all items, equipment and activities should be described.

13. Need to install other equipment for connection of the UPS; we will have additional space for installation?

All additional equipment should be connected to the existing or new UPS distribution board. The additional space is limited to the existing and new UPS distribution boards.

14. In forensic laboratory, we will have all outlets at UPS or some will be kept emergency or normal board?

One double power outlet should be connected to the UPS network and the next one should not(normal), and so on.