

BIDDING RFI RESPONSES

PROJECT: Correct Electrical Deficiencies

OWNER: Salem VA Medical Center

DATE OF ISSUANCE: January 8, 2015

ARCHITECT: AE Works
6587 Hamilton Avenue
Pittsburgh, PA 15206

Email from Proven Techniques Applied, LLC dated January 5, 2015

1. Specification Section 26 32 13, 2.1.C.1 – States Prime Power. EPA regulations have changed and any reference to Prime Power use will require Tier IV EPA compliance vs. a Stationary/Standby (Tier III) compliance if the units are truly used for standby purposes. Tier IV units are very expensive vs. Tier III. If the application is standby then the Stationary/Emergency Tier III is all that is required by the EPA. Stationary/Emergency is 99% of all sales.

Clarify the use of the gensets? All VAMC projects I have worked on in Virginia have been Stationary/Standby for several years now.

Answer: The gensets in this project are for standby use only.

2. Specification Section 26 32 13, 2.5 Fuel System. Risers seem to indicate that the Supply and Return Pumps for the fuel system be included on the Day Tanks. Pumps can “push” further than they can “pull” and are often put at the main storage tank. Is the supplier of the main storage tank providing the supply pumps to push the fuel to the day tank or is the main storage tank close to the day tank(s)?

Answer: The pumps are generically shown on the day tank, but can be located by the manufacturer based on best performance. The intent is to locate as much maintainable equipment as possible inside the building.

3. Specification Section 26 32 13, 2.5.B.5. Who is supplying the fuel polishing for each tank system? Is that going with each day tank supplier or with the main tank supplier?

Answer: The division of work from the suppliers/subcontractors will need to be worked out by the prime contractor on this project.

BIDDING RFI RESPONSES

4. Specification Section 26 32 13, 2.5.D – Pumps. Specs seem to indicate a Dual Supply and a single return pump system with an auto transfer switch, where riser (140-H102 for example) seems to indicate 1 supply and 1 return pump (a transfer switch would then not be needed). Clarification?

Answer: The specifications overrule, with the dual supply pump and auto transfer switch.

5. Specification Section 26 32 13, 2.8.C. Can we verify Nickel Cadmium batteries are preferred over lead acid? Several VA Centers (including Richmond, VA) have switched to lead acid due to their quick availability and substantial cost savings. If Nickel Cadmium, is this also for Building #1 outdoor genset because Spec Section 2.15.F states batteries inside the enclosure? Will be very difficult if not impossible to get a rack of nickel Cadmium batteries inside a small 100kW enclosure for Building #1.

Answer: Lead Acid batteries are acceptable in lieu of Nickel Cadmium for this application.

6. Specification Section 26 32 13, 2.12.B. Can we verify Ground Fault Alarm breaker is required?

Answer: Provide a ground fault alarm to the generator annunciator only. Ground fault interruption via a circuit breaker is not required.

7. Specification Section 26 32 13, 2.15 Sound Attenuated Enclosure. Assuming this is only required for Building #1. Building #1 is a 100kW unit and is quite small. Are lights and panelboard necessary on this small unit?

Answer: The sound attenuated enclosure is for Building #1 only. Lights and a panelboard are only required if the enclosure style would be a walk-in style to meet the sound attenuation requirements.

8. Specification Section 26 32 13, 2.15C Regarding Sound Levels. Specs mention 85 dBA at 5 feet and 75 dBA at 50 feet. My sound enclosure is 90 dBA at 3 feet and 72 dBA at 50 feet. Acceptable?

Answer: The noted sound levels are acceptable.

BIDDING RFI RESPONSES

9. Specification Section 26 32 13. Specs call for 4 hour Day Tanks for the inside unit. What size Sub-Base tank is required for building #1? Is the sub-base tank all that is supplying the genset or is it to a day tank being tied to the main tank?

Answer: The sub-base tank shall be sized for 96 hours of run-time at full load. A day tank is not required for the generator for Building #1.

10. Specification Section 26 32 13, 3.4 Training. 4 hours for each genset or can the training be 4 hours for all gensets?

Answer: One 4 hour session for all similar gensets is acceptable. An additional 4 hour session should be planned for the Building #1 genset.

Email from Proven Techniques Applied, LLC dated January 7, 2015

1. Drawing 138-H102. In the top right hand corner they show a Simplex SPS pump system. Only the detail on the drawing is shown. It does not show where it is to go and the specs (26 32 13) read like the pumps are on the day tank. Are we to include this? None of this is detailed in the specs. Is it needed?

Answer: This pumping system is not needed as shown. The detail #2 is to be deleted on sheets 138-H102, 140-H102, 141-H102, and 142-H102. The pumps are to be mounted on the day tank as indicated in the specifications.

2. Drawings call for return pump. Specs say nothing about return pump but looking at piping on the drawing a return pump would be required. Do you require a return pump?

Answer: The return pump is required, and shall be the same type as the supply pump except that there is only one pump.