

**Questions & Answers
VA260-13-Q-0501
Electrical Systems Testing Roseburg**

1. What kind of transformers are oil-filled ones on sheet EP1? Are they loop fed?

T2, T3, T4, T5, T6, T7, T9, T11, T12, T13, T14, T15, T16, and T17 are oil filled transformers as shown on EP1.

2. Do you have any technical information on the Circuit Switchers?

It is unclear on your question regarding circuit switchers. Do you happen to mean sectionalizing cabinet? They were procured from Maysteel Electrical Power Products 877-219-9728.

3. Do you have a count for the different types of relays as they are not specified on the provided one lines?

Use one line diagrams provided for count of relays.

4. Do you want the MV cables tested that are upstream of the Circuit Switchers?

No. Test cables per SOW.

5. The description of work in section 2.2 of the solicitation indicates work regarding 150 new non-plenum rated communication cables. Please confirm if this is an accurate description of work.

This is incorrect. Description will be corrected via amendment.

6. The construction magnitude is listed in section 2.3 C as \$25,000 to \$100,000. Please confirm if this is accurate.

This is correct.

7. The project duration in section 4.3 is listed as 120 days after notice to proceed. Please confirm if this is accurate.

This is correct.

8. Page 3 of SOW second paragraph reads:
Prior to commencement of testing procedures, the testing firm shall survey and catalog all components of the facility electrical distribution system. All components shall be inspected and tested as applicable whether or not specifically listed in the scope.

Question regarding paragraph: this states all components shall be tested and cataloged, is the intent to actually test and catalog only the components that are listed (page 3 item 3) in the SOW or is it for all components?

The testing firm should survey and catalog all components as shown on the provided one line diagrams and test all items listed on page 3 Section 3 parts a through h.

9. Page 3 Item 3 of SOW Lists specific components to be tested. The testing specification later in the SOW has specifications for testing of items that are not included on this list such as LV and MV cables, Network protectors, Metering, UPS's, etc... Question: do the items that do not appear on the list on page 3 item 3 need to be tested as part of this work?

Test bulleted items listed on page 3 Section 3 parts a through h.

10. Page 4 of SOW Item C 4th bullet point reads: Verify all panel schedules are current and in place. Replace missing, hand written and/or pen and ink modified schedules. Provide new/updated panel schedules as required. Schedules shall be typed. Question: pertaining to verifying schedules to being current: is the intent of this item to physically/electrically verify that all breakers in panel are labeled correctly by ringing out wires or turning breakers on and off?

The intent is to provide new/updated typed panel schedules not to physically/electrically verify that all breakers in panel are labeled correctly by ringing out wires or turning breakers on and off.

11. Page 5 of SOW Item g.2. States that for liquid filled transformers "when tests indicate that the liquid no longer meets manufacturers specifications. the liquid must be re-filled to meet the manufacturers specification"
Question: do costs to refill transformers need to be included in this bid or will it be treated as a change order to the contract if any transformers need to be re-filled?
Or perhaps a line item.

The cooling liquid should be tested and if it does not meet manufacturer's specifications, document the deficiency in the testing report. The liquid does not need to be replaced. See revised SOW.

12. Page 24 of SOW Item 4 reads: (in reference to Power studies) The study shall be calculated by using SKM software. Question: will the use of ESA's Easypower software be acceptable (in lieu of SKM)?

This portion of work has been eliminated from the SOW. See revised SOW.

13. Page 44 of SOW Item 7.4 for Metal Enclosed busways: Specification calls out, under visual and mechanical inspections to check for bolt tightness by either use

of DLRO or torque wrench method. There is also a requirement to perform Infrared inspection of all bolted connections under the electrical tests for this item. Question: Can Infrared inspection be utilized In lieu of a DLRO or Torque wrench test? (as it is in other specifications such as Switchgear, transformers, etc...)

It is acceptable to perform an infrared test of all bolted connections and torque the bolts as required when indicated by the testing.

14. In the RFQ page 5 of 36 Item 2.2 "description of work it states to install 150 new non-plenum rated communication circuits. Question: where is the SOW for this work?

This is incorrect. Description will be corrected via amendment.

15. If in fact there is no 150 new non-plenum rated communication circuits to install, then shall we assume this is a service contract and the SDVOB contractor must perform at least 51%.

This contract is a specialty trade construction contract. The requirement for SDVOSB self-performance is 25%.

16. There was mention, during the walk through, that the Generators were recently tested. Will the Scope for Generator testing be removed from this SOW?

Perform generator testing as required by the SOW.

17. Are there one-lines you can provide showing 480 volt and 120/208 volt distribution for each building?

Only information is on the one line diagrams provided.

18. Are there any drawings for the relays controlling/protecting the medium voltage equipment. This would be similar to a one-line drawing just for the controls scheme.

No, there are no drawings available.