

**QUESTIONS AND ANSWERS FOR:**

**RFP # 20-49, 10/21/2020 FOR**

**RFB for TWO (2) 20 MVA, 115 TO 13.2Y/7.62 kV POWER TRANSFORMER**

**WITH LOAD TAP CHANGER FOR SUGG PARKWAY & SPARE**

1. The MVA ratings on the Proposal Form. The form calls for 20.00/33.33/41.67 MVA ONAN/ONFA 55°C and 22.40/29.87/37.33 MVA ONAN/ONFA 65°C. Based on a 33% increase per cooling stage and 12% increase between 55°C and 65°C, we believe the MVA ratings should be 20.00/26.60/33.33 MVA ONAN/ONAF/ONAF 55°C and 22.40/29.79/37.33 MVA ONAN/ONAF/ONAF 65°C. **The proposal form is incorrect. The MVA ratings should be 20.00/26.60/33.33 MVA ONAN/ONAF/ONAF 55°C and 22.40/29.79/37.33 MVA ONAN/ONAF/ONAF 65°C**

2. Please confirm Rating  
(I)

Substation transformer, dual rated  
20.00/33.33/41.67 MVA ONAN/ONFA 55°C and  
22.40/29.87/37.33 MVA ONAN/ONFA 65°C,  
115 kV delta primary voltage, 13.2Y/7.62 kV  
secondary voltage, designated for delivery to  
Sugg Parkway Substation and Greenville 230  
West Substation, (Five (5)-year warranty) all in  
accordance with specifications

The 65C rating is lower than the 55C rating. We are wondering is 37 MVA is the 55C top rating and 41.67 MVA is the 65C top rating. (Please confirm all 3 ratings for each temp. rise)

Related to the rating, the customer is asking for losses at the following ratings which are different than above:

- b. Total full-load loss in watts at each rating and temperature rise, plus auxiliary losses (shown separately), at:

25,000 kVA	Watts @ 55°C OA
28,000 kVA	Watts @ 65°C OA
33,333 kVA	Watts @ 55°C OA/FA
37,333 kVA	Watts @ 65°C OA/FA
41,667 kVA	Watts @ 55°C OA/FA/FA
46,667 kVA	Watts @ 65°C OA/FA/FA

- A. **The MVA ratings should be 20.00/26.60/33.33 MVA ONAN/ONAF/ONAF 55°C and 22.40/29.79/37.33 MVA ONAN/ONAF/ONAF 65°C.**
- B. **Please provide total full load loss in watts at each rating and temperature rise, plus auxiliary losses (shown separately) at 20.00/26.60/33.33 MVA ONAN/ONAF/ONAF 55°C and 22.40/29.79/37.33 MVA ONAN/ONAF/ONAF 65°C.**