



Procurement Department Bid Section

June 3, 2026

ADDENDUM NUMBER: FOUR (4)

TITLE: 1412156246 (RFP) JEA St. Johns River Power Park (SJRPP) Unit 3 Combined Cycle – Generator Step-Up Transformers

PROPOSAL DUE DATE: June 16, 2026

TIME OF RECEIPT: 12:00 PM EST

THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES OR CLARIFICATIONS:

1. **Question:** In order to comply with backfeeding requirements, we recommend to apply the following items:

1) A large surge capacitor on the LV side to reduce the high frequency over-voltages transferred from the HV side (outside the scope of supply).

2) The LV side of a GSU must always be protected by arresters to ground (outside the scope of supply).

Answer: The back feeding requirement is within the OEM scope per the technical specification. The OEM should design the unit to limit the transferred voltage on the LV terminals below the BIL level when the LV winding is disconnected from the generator and the ground reference is lost. The use of internal arresters or capacitors is not allowed, and the use of external capacitors might be only allowed if the OEM can demonstrate impossibility to meet the requirement by adapting the windings geometry or/and winding arrangement.

2. **Question:** We are considering just top pressing. Bottom pressing is not necessary.

Answer: The use of a top and bottom ring is mandatory. It is acceptable to apply the clamping pressure at the top ring.

3. **Question:** The design data will be provided during the design review, conducted according to Cigre standard.

Answer: Please use the Doble DR Data Template to share the design data for the design review. Any information not requested in the Doble template which should be part of the design review (i.e. GIC calculations review), can be provided on a standard OEM's format.

4. **Question:** Due to the high rated power of the transformers, we are considering netting tape + enamel insulation for the LV winding conductor.

Answer: The use of netting tape CTC conductor is allowed in LV windings.

5. **Question:** Please confirm the possibility to consider internal surge arresters or non-linear resistors on the regulation winding.

Answer: The current requirement in the specification must be complied; the use of internal surge arresters and non-linear resistors is not allowed.

6. **Question:** We understand that, during the bidding stage, only the “Painting System Scheme” is enough, while the table in item 17.10 can be completed during the order phase.

Answer: Approved. The painting system scheme is sufficient for the bid package.

7. **Question:** As was done for the “750MVA” transformer (“Question 16” of “1412156246 Addendum 3”), please confirm the impedance in the maximum power base for the “360/480MVA”, i.e., 12% at 480MVA.

Answer: As requested, the STG GSU transformer impedance is provided on the unit base rating and converted to the maximum cooling rating as follows.

The specified STG GSU Transformer impedance is 9% on a 360 MVA base.

When converted to the maximum cooling rating, the impedance becomes:

$$Z=9\% \times (480/360) = 12\%$$

Therefore, the STG GSU Transformer shall have 12% impedance on a 480 MVA base.

Since the STG GSU Transformer is a single unit and is not operated in parallel with another transformer, no equivalent impedance calculation applies. This conversion reflects only the change in MVA base; the transformer’s physical (ohmic) impedance remains unchanged.

8. **Question:** Regarding the Answer for the “Question 12” of “1412156246 Addendum 3”, we understand that the ratings definitions of surge arresters (insulation coordination and protection) are the responsibility of JEA, since these parameters depends on system studies. I.e, the Respondent should only follow the requested in the items 8.1, 8.2 and 8.3 of the “1412156246 Appendix A - Technical Specifications”.

Answer: JEA is reviewing the surge arrester requirements and will respond in a future addendum.