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Lourdes A. Leon Guerrero
Governor of Guam
Joshua F. Tenorio
Lieutenant Governor

March 19, 2026

INVITATION FOR BID IFB-PAG-026-002
SUPPLY, REMOVAL AND REPLACEMENT OF 1500KVA, 3-PHASE, OIL-FILLED TRANSFORMER AT THE LC-4 PROJECT.

ADDENDUM NO. 2

ALL BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON AREA PROVIDED BELOW AND RETURN COPY TO PAG PROCUREMENT OFFICE:
Email: pagprocurement@portofguam.com, spmuna01@portofguam.com, pacastro@portofguam.com **and** algsablan@portofguam.com.

NOTICE TO OFFERORS: The IFB Documents of the above referenced project are hereby provided and are to be included the above referenced IFB packet. The following documents are listed below:

1. **QUESTIONS FROM AYM INTERNATIONAL** (Received: March 5, 2026) **and Responses**
2. **QUESTIONS FROM POLYPHASE SYSTEM, INC.** (Received: March 10, 2026) **and Responses**

* * * * **NOTHING FOLLOWS** * * * *

END OF ADDENDUM NO. 2

Issued by:

RORY J. RESPICIO
General Manager

ACKNOWLEDGEMENT

NAME:_____

COMPANY:_____

DATE/TIME:_____

Email from AYM INTERNATIONAL (Dated March 5, 2026)
Subject: IFB-PAG-026-002

AYM questions from potential supplier:

SUPPLIER #1

1. There are two transformers in this project. Please confirm whether the American box transformer is made of copper or aluminum, the ring network type or the terminal type. Are there any requirements for efficiency?
   Answer:
   - All transformer shall be copper /copper as stated in SOW #8 page 4.
   - Terminal type 6 holes spade. See attached photo for reference
   - Efficiency 99% at 50%load

2. Should the isolation transformer be made of copper or aluminum? Do you need to adjust the voltage?
   Answer:
   - Transformer should be copper windings.
   - Transformer voltage primary is 240Vac, no adjust or tapping point.
   - Transformer voltage secondary is 480Vac, with adjust or tapping point will be no problem

------ Supplier #1 end------

SUPPLIER #2
Technical Parameters Required for Quotation
1. 1500 kVA Pad-mounted Transformer Oil filled Transformer (Terminal Type, ~~Aluminum winding~~)

- Short-circuit impedance?
  4% - 6%
- Loss requirements?
  Efficiency is 99%
- Vector group (with neutral point or not)?
  Oil filled Transformer shall be DELTA / DELTA (match the existing) connection with neutral point secondary.
- Tap range?
  YES, for primary, see attached photos
- Cooling type?
  See SOW page 4. Envirotemp FR3 fluid or ONAN (Oil Natural Air Natural)
- Tap changer type: off-circuit tap changer or on-load tap changer?
  See SOW page 11, match the existing. OFF circuit tap changer. See photo attached
- Equipment's included: tap changer, thermostat, temperature sensor, pressure relief device, oil level gauge, etc.?
  YES, See SOW page 5 #19
- Type of HV/LV bushings and cable entry method?
  Match the existing transformer (see SOW pages 9&10). Bushing boots for HV. Spade terminal, 6 holes for LV. Bottom feed method for cable entry. See photo attached.
- Applied standard: DOE standard or others?
  DOE & GPA. See attached GPA Specs attached to your bid packet for reference.

2. 1500 kVA Dry-type Transformer

- Exact primary voltage?
  Primary voltage is 240Vac
- Short-circuit impedance?
  Yes, 5% -6%
- No-load and load loss requirements?
  Yes, see SOW page 5 #19 (No load and load testing under the supervision of the Owner's rep. PAG).
- Vector group?
  Delta primary / Wye secondary connection with neutral point.
- Tap range?
  Yes, Good to have
- Tap changer type: off-circuit or on-load?
  OFF circuit (OCTC)
- Insulation / thermal class?
  Class H (180*C - 200*C)
- Cooling type?
  Air Natural or combination natural air with air forced fan.
- Winding material: copper or aluminum?
  See SOW page 4. Shall be copper/copper winding.
- Protection class (IP rating)?
  IP 23 min, indoor location with high corrosion type of environment.
- Enclosure material: 304 stainless steel or 316 stainless steels?
  See SOW page 4 also. NEMA 3R type SSTL 304, natural ventilated for the dry type transformer inside the LC4.
- Lightning impulse withstand voltage?
  95KV – 110KV based on IEEE C57.12.00

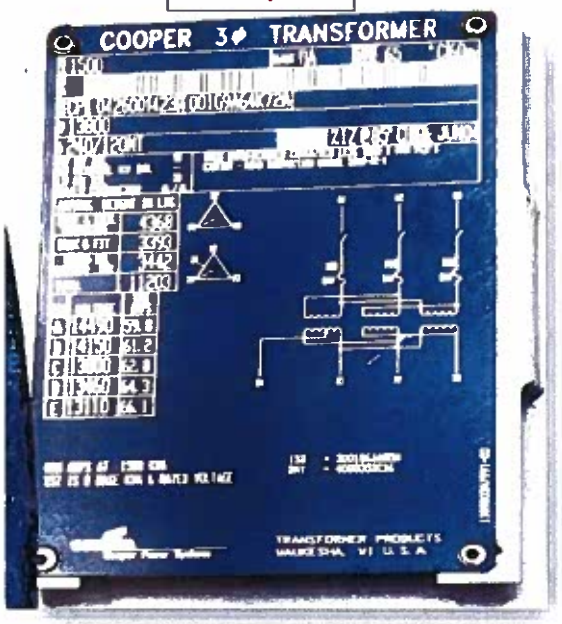
------ Supplier #2 end------

AYM QUESTION

1. Would there be any issues if the transformer is from mainland China?
   PAG will accept Made in USA and Korea. Not China for this project.

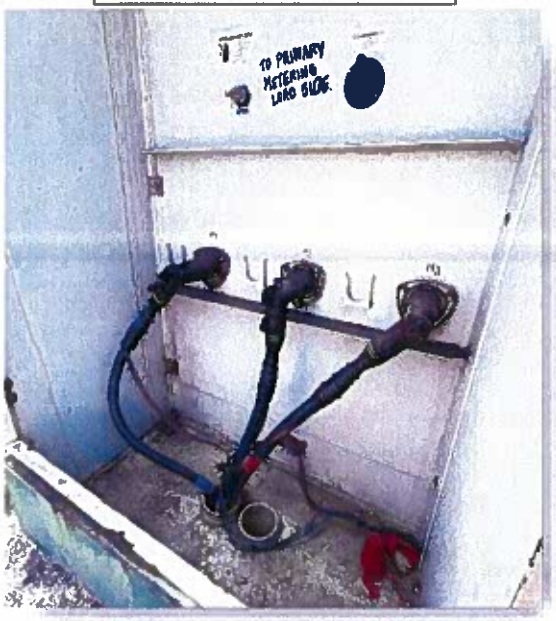
See attached Photos below (Existing 1500KVA Oil Filled Transformer)

Nameplate



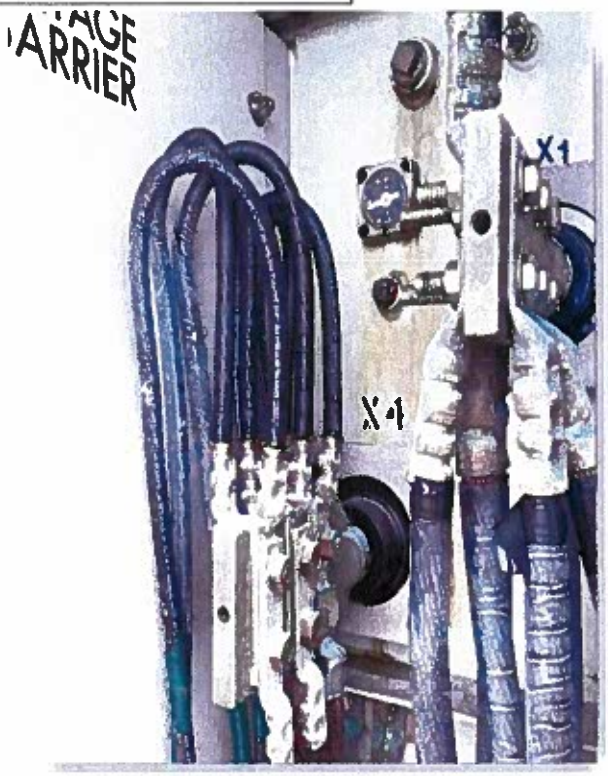
Tap changer

Primary side connection



Secondary side connection

Secondary side connection – six holes spade type terminal



DATE: MARCH 10, 2026

FROM: POLYPHASE SYSTEM INC.

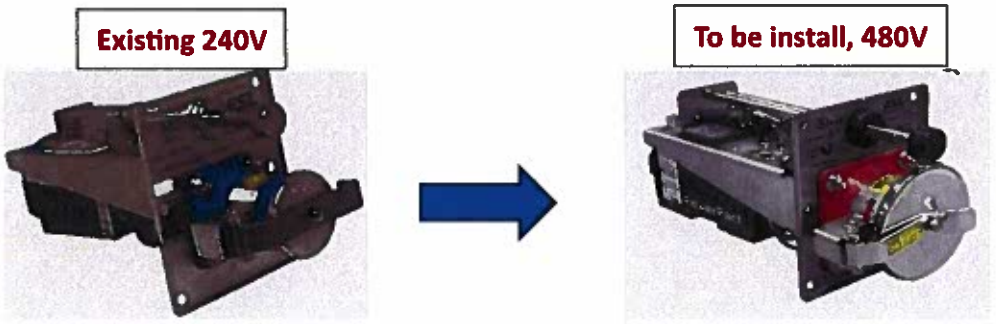
SUBJECT: Request for Information
Supply, Remove and Replacement of the Existing 1500kVA, 3-Phase, Oil Filled Transformer at the LC4 Project
IFB No.: PAG-CIP-026-002

We would like to request information on the following:

1. Please specify the stainless-steel grade of the transformers' enclosure (for dry type and oil-filled).
   Answer:
   Stainless steel grade 304 for transformer enclosure. NEMA 4X SSTL 304 for the one outside. NEMA 3R type SSTL 304, natural ventilated for the dry type transformer inside the LC4.

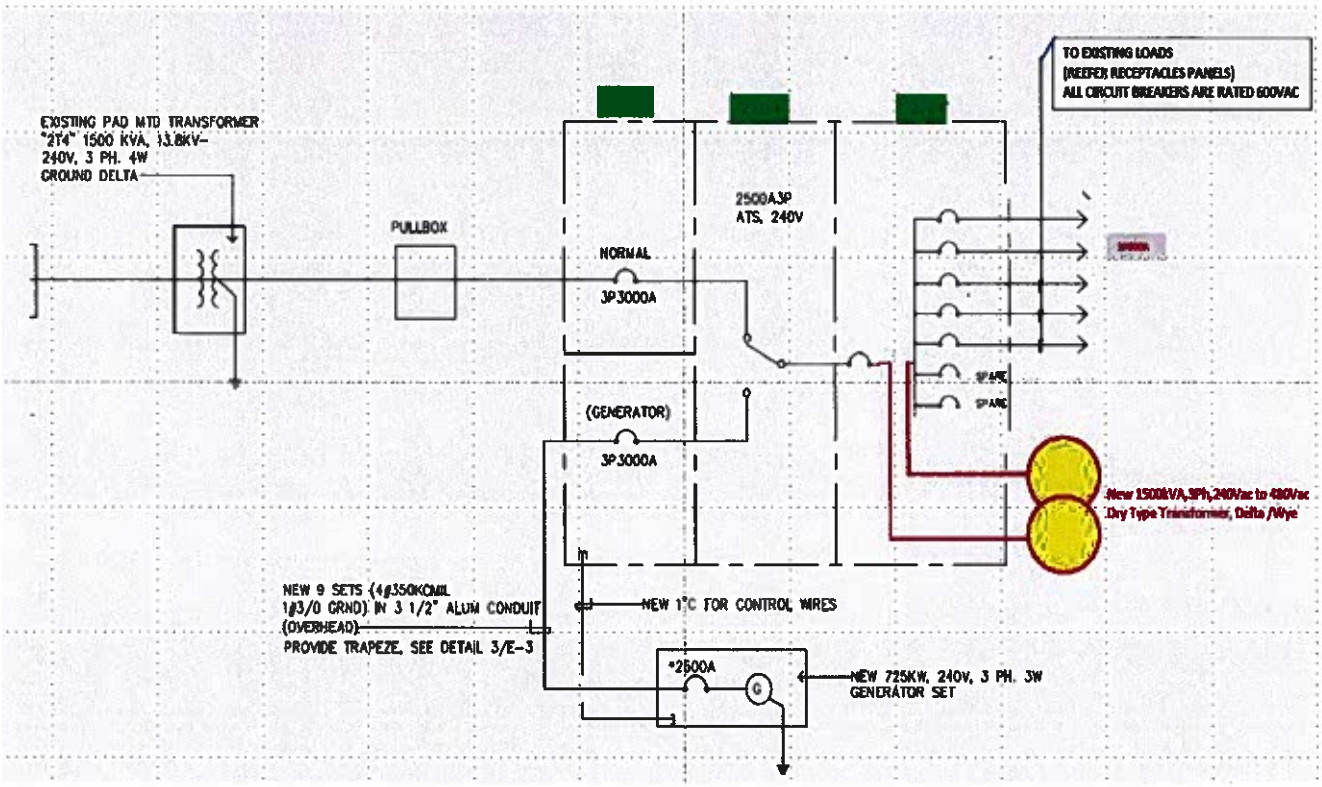
2. Please provide the temperature rise requirement for dry-type and oil-filled transformers.
   Answer:
   1.) Temperature rise for the oil – filled transformer is 65*C / match the existing. Recommended using Envirotemp FR3 fluid or mineral oil.
   2.) Temperature rise for the dry type transformer is 115*C – 150*C.

3. Please confirm that the supply of matching plugs for Reefer receptacles is the contractor's responsibility, and the supply and installation of the industrial extension cord is the responsibility of the Port Authority of Guam.
   Answer:
   Please check SOW pages 7 & 14. Contractor will replace ONLY the internal parts. Reefer outlet frame and extension cord are to remain. Remove the existing 240V reefer outlet (internal only as shown below photo) and replace with 480V reefer outlet using the same frame. The 240V and 480V reefer outlets are the same frame dimension.



4. Kindly clarify whether a cable tray or aluminum conduit will be used from the dry-type transformer to the existing switchboard. If a cable tray is to be used, please specify the material type. Additionally, please provide the type and size of the feeder cables between this equipment.
   Answer:
   1.) SOW pages 3 specify to use aluminum conduit. However, enclose cable tray hot dip galvanized or SSTL is also accepted. Contractor to submit submittal.
   2.) Primary side, use THHN/THWN-2, 8 sets (3#500kcmil, 1#3/0 Grnd) in 4" diameter aluminum conduit or enclose cable tray
   3.) Secondary side, use THHN/THWN – 2, 9 sets (4#350kcmil,1#3/0 Grnd) in 3-1/2" diameter aluminum conduit or enclose cable tray.

5. Please provide the LC-4 as-built electrical plans, showing a detailed one-line diagram and layout, including the details of the existing switchboard.
   Answer:
   1.) Please see SOW page 13. PAG is welling to accommodate you, if you need another walk-through inspection on the field particularly at LC4, so you can visualize the detail of the existing switchboard and one line diagram. All circuit breakers are rated 600Vac.
   See below one line diagram with new transformer showing where we can connect:



6. Please confirm that the replacement of wiring and rough-ins from the existing pad-mounted transformer (1500kVA, 13.8kV-240V, 3 Phase, 4W) to the existing switchboard is excluded from the contractor's scope of work.
   Answer:
   Yes confirm, the existing wiring and rough – ins from the existing oil filled pad mounted transformer going to the switchboard is not included in the scope. Contractor will use the existing cables and conduits. However, contractor and the owner PAG will do the insulation resistance test / Megger before cable termination to the new oil filled transformer for verification and safety purposes.

7. Please clarify if the power outage fee is excluded from the contractor's scope of work.
   Answer:
   Please see SOW page 3 & 4. Contractor shall coordinate and prepare all necessary documents power outage and HVL power tapping to GPA. Right now, the power supply for the existing transformer is OFF. Contractor to shoulder the power outage and reconnection fee.

8. Kindly confirm if this is a design and build project.
   Answer:
   This is (IFB / DBB) Invitation for Bid / Design Bid - Build project.

9. We kindly request an extension of the bid submission deadline from March 17, 2026 to March 31, 2026.
   Answer:
   PAG is open for an extension request of the Bid submission with valid reasons. Procurement will answer this question.