



# GUAM POWER AUTHORITY

ATURIDÁT ILEKTRESEDÁT GUÅHAN  
P.O.BOX 2977 • HAGÁTÑA, GUAM U.S.A. 96932-2977

June 5, 2024

AMENDMENT NO.: I  
TO  
INVITATION FOR BID NO.: GPA-091-24  
FOR  
SPLICE KITS

Prospective Bidders are hereby notified of the following inclusions, changes and responses to inquiries received from Bidder No. 2 dated May 24, 2024 and May 31, 2024, Bidder No. 6 dated May 30, 2024 and Bidder No. 4 dated June 4, 2024:

**INCLUSIONS:**

1. **REMOVE** Pages 4, 5 and 6 of 36 and **REPLACE** with 4a, 5a, and 6a of 36 (see attached):
  - \* Under INVITATION FOR BID, DESCRIPTION, to include As per GPA Specification No.: E-048 Revision 2.
- \* 2. **ADD** Page 6a.1 of 36 – GPA Specification No.: E-048 Revision 2

**CHANGES:**

- \* 1. Bid Opening Date is changed **FROM** 10:00 A.M., Wednesday, June 05, 2024 (CHamoru Standard Time) **TO NOW READ** 10:00 A.M., Wednesday, June 12, 2024 (CHamoru Standard Time).
2. **REMOVE** Page 3 of 36 and **REPLACE** with Page 3a of 36 (see attached):
  - a. Under INVITATION FOR BID, INSTRUCTION TO BIDDERS, Paragraph one has changed

***FROM:***

This bid shall be submitted in duplicate and sealed to the issuing office above no later than (Time) **10:00 A.M.**, (Guam CHamoru Standard Time; ChST), Date: **June 05, 2024** and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions and Sealed Bid Solicitation for details.

***TO NOW READ:***

- \* This bid shall be submitted in duplicate and sealed to the issuing office above no later than (Time) **10:00 A.M.**, (Guam CHamoru Standard Time; ChST), Date: **June 12, 2024** and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions and Sealed Bid Solicitation for details.

**Bidder No. 2 dated 05/24/2024:**

**QUESTION:**

1. Per manufacturer, please provide cutsheets for the cables.

Please ask for cutsheets for these cables so I can verify accuracy. I would also like a cutsheet for 3.0 so I can verify the Hubbell part number for accuracy.

**ANSWER:**

Kindly refer to No. 1 and 2 of ***INCLUSIONS*** above.

**Bidder No. 6 dated 05/30/2024:**

**QUESTION:**

1. Per our US supplier, the manufacturer is still working on their quote. We were informed that the current delivery for Splice kit is 60 weeks ex-factory plus 10 days shipping from the factory to US West Coast plus 2 weeks shipping from US West Coast to Guam plus 1-week Guam customs clearing and delivery to your GPA warehouse.

In this regard, we would like to request for an amendment for subject bid:

- 1) To extend the delivery to 64 weeks.

**ANSWER:**

The delivery requirement will remain at 14 Weeks After Receipt of Order (ARO).

**QUESTION:**

2. To extend the bid opening date to June 12, 2024.

**ANSWER:**

Kindly refer to No. 1 and 2 of ***CHANGES*** above.

**Bidder No. 2 dated 05/30/2024:**

**QUESTION:**

1. May we request for an extension of another week for the bid opening, since we are still waiting for the cutsheet of the cable?

**ANSWER:**

Kindly refer to No. 1 and 2 of ***CHANGES*** above.

**Bidder No. 4 dated 06/04/2024:**

**QUESTION:**



1. May I kindly request an extension for the bid opening of the above subject bid from June 5, 2024, to June 13, 2024.  
We are still waiting for quotation from our supplier.

**ANSWER:**

Kindly refer to No. 1 and 2 of **CHANGES** above.

All other Terms and Conditions in the bid package shall remain unchanged and in full force.



 JOHN M. BENAVENTE, P.E.  
General Manager 

## INVITATION FOR BID

## ISSUING OFFICE:

Guam Power Authority-Procurement Office  
1st. Floor, Room 101  
Gloria B. Nelson Public Service Building  
688 Route 15  
Mangilao, Guam 96913Attn: JOHN M. BENAVENTE, P.E.  
General Manager  
c/o JAMIE LYNN C. PANGELINAN  
Supply Management Administrator

6/6/2024

  
 JOHN M. BENAVENTE, P.E. DATE  
General Manager *JMC*


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DATE ISSUED: 05/21/2024  
05/28/2024 BID INVITATION NO.: GPA-091-24

BID FOR: SPLICE KITS

SPECIFICATION: SEE ATTACHED

DESTINATION: GUAM POWER AUTHORITY, DEDEDO WAREHOUSE

REQUIRED DELIVERY TIME: 14 WEEKS AFTER RECEIPT OF ORDER (ARO)

## INSTRUCTIONS TO BIDDERS:

INDICATE WHETHER:  INDIVIDUAL  PARTNERSHIP  CORPORATION

INCORPORATED IN: \_\_\_\_\_

- \* This bid shall be submitted in duplicate and sealed to the issuing office above no later than (Time) 10:00 A.M.,  
Date: June 12, 2024 and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions and Sealed Bid Solicitation for details.

The undersigned offers and agrees to furnish within the time specified, the articles and services at the price stated opposite the respective items listed on the schedule provided, unless otherwise specified by the bidder. In consideration to the expense of the Government in opening, tabulating, and evaluating this and other bids, and other considerations, the undersigned agrees that this bid remain firm and irrevocable within one hundred twenty (120) calendar days from the date opening to supply any or all of the items which prices are quoted.

NAME AND ADDRESS OF BIDDER:

SIGNATURE AND TITLE OF PERSON  
AUTHORIZED TO SIGN THIS BID:\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_

AWARD: CONTRACT NO.: \_\_\_\_\_ AMOUNT: \_\_\_\_\_ DATE: \_\_\_\_\_

ITEM NO(S). AWARDED: \_\_\_\_\_  
\_\_\_\_\_

CONTRACTING OFFICER:

\_\_\_\_\_  
JOHN M. BENAVENTE, P.E. DATE  
General Manager

NAME AND ADDRESS OF CONTRACTOR:

SIGNATURE AND TITLE OF PERSON

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_\_\_\_\_\_  
\_\_\_\_\_

INVITATION FOR NO.: GPA-091-24  
Requisition No.: 37481

NO.	DESCRIPTION	QTY.	U/I	UNIT PRICE:	TOTAL PRICE:
1.0	Splice kit #600 kcmil Aluminum 35 Kv, 600 amps, deadbreak separable GPA Index Number: SSUS1213 * As per GPA Specification E-048 Revision 2	8	KI.	\$ _____	\$ _____

**COMPLY:**

**NOT COMPLY:**

**A. MARKING REQUIREMENTS:**

A.1 Stencil 1" GPA Index No./P.O. No./QTY. per Box  
and/or Unit

Ref. Mfr.: Cooper Power Series  
Ref. Part No.: SSPL635A  
- Cable Adapter  
Ref. Part No.: CA635R  
- Compression Connector  
Ref. Part No.: CC6A23U  
SSPL635RR2323A2T

**\*\* APPROVED EQUAL TO OR BETTER \*\***

**NOTE:**

Notwithstanding the fact that this contract was written  
By one (1) party, it will be construed that it was written  
By two (2) parties.

**DELIVERY REQUIREMENT:**

14 Weeks After Receipt of Order (ARO)

Reasonable delivery extension requests for this specific  
documentation however, such requests are not guaranteed  
approval due to critical and urgent need of the materials  
to support the Guam Power Authority's needs.

All deviations shall be identified  
Referencing the Section and Sub-  
Section(s) from the attached GPA  
Specification

REMARKS / DEVIATIONS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**COMPLY:**

**NOT COMPLY:**

**TO BE COMPLETED BY BIDDER:**

MANUFACTURER/BRAND NAME: \_\_\_\_\_

CAT. NO. / MODEL NO.: \_\_\_\_\_

PLACE OF ORIGIN: \_\_\_\_\_

EXPORT ABROAD: \_\_\_\_\_

TIME OF DELIVERY AFTER RECEIPT OF  
PURCHASE ORDER: \_\_\_\_\_

**Specifications Generated/Reviewed by:**

*Angelapune Balajadia* 06/05/2024  
ANGELA BALAJADIA Date  
Inventory Management Officer

**Specifications Approved by:**

*bi* 6/6/2024  
BEATRICE P. LIMTIACO Date  
Assistant General Manager of Administration

INVITATION FOR NO.: GPA-091-24  
Requisition No.: 37481

NO.	DESCRIPTION	QTY.	U/I	UNIT PRICE:	TOTAL PRICE:
2.0	Splice kit #1000 kcmil Aluminum 35 Kv, 600 amps, deadbreak separable GPA Index Number: SSUS1215 * As per GPA Specification E-048 Revision 2	11	KI.	\$ _____	\$ _____

**COMPLY:**

**NOT COMPLY:**

**B. MARKING REQUIREMENTS:**

A.1 Stencil 1" GPA Index No./P.O. No./QTY. per Box  
and/or Unit

Ref. Mfr.: Cooper Power Series  
Ref. Part No.: SSPL635A2  
- Cable Adapter  
Ref. Part No.: CA635U  
- Compression Connector  
Ref. Part No.: CC6A27U  
SSPL635UU2727A2T

**\*\* APPROVED EQUAL TO OR BETTER \*\***

**NOTE:**

Notwithstanding the fact that this contract was written  
By one (1) party, it will be construed that it was written  
By two (2) parties.

**DELIVERY REQUIREMENT:**

14 Weeks After Receipt of Order (ARO)

Reasonable delivery extension requests for this specific  
documentation however, such requests are not guaranteed  
approval due to critical and urgent need of the materials  
to support the Guam Power Authority's needs.

**TO BE COMPLETED BY BIDDER:**

MANUFACTURER/BRAND NAME: \_\_\_\_\_

CAT. NO. / MODEL NO.: \_\_\_\_\_

PLACE OF ORIGIN: \_\_\_\_\_

EXPORT ABROAD: \_\_\_\_\_

TIME OF DELIVERY AFTER RECEIPT OF  
PURCHASE ORDER: \_\_\_\_\_

All deviations shall be identified  
Referencing the Section and Sub-  
Section(s) from the attached GPA  
Specification

**REMARKS / DEVIATIONS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**COMPLY:**

**NOT COMPLY:**

\_\_\_\_\_

**Specifications Generated/Reviewed by:**

*Angelapnee Balajadia* 06/05/2024  
ANGELA BALAJADIA Date  
Inventory Management Officer

**Specifications Approved by:**

*bj* 6/6/2024  
BEATRICE P. LIMTIACO Date  
Assistant General Manager of Administration

INVITATION FOR NO.: GPA-091-24  
Requisition No.: 37481

NO.	DESCRIPTION	QTY.	U/I	UNIT PRICE:	TOTAL PRICE:
3.0	Splice kit #500 kcmil Copper 35 Kv, 600 amps, deadbreak separable GPA Index Number: SSUS1212 *As per GPA Specification E-048 Revision 2	24	KI.	\$ _____	\$ _____

**COMPLY:**

**NOT COMPLY:**

**A. MARKING REQUIREMENTS:**

A.1 Stencil 1" GPA Index No./P.O. No./QTY. per Box and/or Unit

- Ref. Mfr.: Hubbell
- Ref. Part No.: 935L2
- Cable Adapter
- Ref. Part No.: 635CAR
- Compression Connector
- Ref. Part No.: 625LUGB33

**\*\* APPROVED EQUAL TO OR BETTER \*\***

**NOTE:**

Notwithstanding the fact that this contract was written By one (1) party, it will be construed that it was written By two (2) parties.

**DELIVERY REQUIREMENT:**

14 Weeks After Receipt of Order (ARO)

Reasonable delivery extension requests for this specific documentation however, such requests are not guaranteed approval due to critical and urgent need of the materials to support the Guam Power Authority's needs.

All deviations shall be identified Referencing the Section and Sub-Section(s) from the attached GPA Specification

**REMARKS / DEVIATIONS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**COMPLY:**

**NOT COMPLY:**

**TO BE COMPLETED BY BIDDER:**

MANUFACTURER/BRAND NAME: \_\_\_\_\_

CAT. NO. / MODEL NO.: \_\_\_\_\_

PLACE OF ORIGIN: \_\_\_\_\_

EXPORT ABROAD: \_\_\_\_\_


TIME OF DELIVERY AFTER RECEIPT OF PURCHASE ORDER: \_\_\_\_\_

**Specifications Generated/Reviewed by:**

*Angelapene Balajadia* 06/05/2024  
ANGELA BALAJADIA Date  
Inventory Management Officer

**Specifications Approved by:**

*bp* 6/6/2024  
BEATRICE P. LIMTIACO Date  
Assistant General Manager of Administration

 <p><b>GUAM POWER AUTHORITY</b></p>	<p><b>SPECIFICATION No. E-048</b></p>	<p><b>Page 1 of 7</b></p>
		<p>April 11, 2022</p>
<p>PREPARED BY THE ENGINEERING DEPARTMENT</p>		<p>REV. 2</p>

**GUAM POWER AUTHORITY**  
**P.O. BOX 2977**  
**HAGATNA, GUAM 96932**

**TRANSMISSION & DISTRIBUTION SPECIFICATION**  
**Specification No. E-048**  
**For**

**600 AMP DEAD BREAK SEPARABLE**  
**INSULATED CONNECTORS**

EFFECTIVE DATE: 5/17/22	ISSUED: 	APPROVED: 
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GUAM POWER  
AUTHORITY

PREPARED BY THE ENGINEERING DEPARTMENT

SPECIFICATION No. E-048

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April 11, 2022

REV. 2

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EFFECTIVE DATE:

5/12/22

ISSUED:

*[Signature]*

APPROVED:

*[Signature]*



1.0 SCOPE

- 1.1 This specification covers GPA's requirements for premolded 600 Amp deadbreak separable 15kV and 35kV insulated connectors and other cable accessories for use on dead front equipment.

2.0 CONFORMANCE TO STANDARDS AND SPECIFICATIONS

- 2.1 The connectors shall be constructed and tested in accordance with all applicable sections of the latest listed revisions of the following standards, unless otherwise specified in this specification.

2.1.1 American National Standards Institute, Inc. (ANSI) Standards:

- IEEE386 Standard for Separable Insulated Connectors for Power Distribution Systems above 600V
- IEEE404 Standard for Cable Joints and Splices
- IEEE48 Standard for Cable Terminations
- IEEE592 Standard for Exposed Semiconducting Shields
- C119.4 Standard for Copper and Aluminum Conductor Connectors

2.1.2 The Association of Edison Illuminating Companies (AEIC)

- CS8 Standard for XLP and EPR Insulated Cables

2.1.3 Insulated Cable Engineers Association (ICEA)

- S-97-682-2007 Utility Shielded Power Cables Rated 5 through 46 kV

2.1.4 All other applicable industry standards.

2.1.5 Deviations and Non-Conformance Requirements

- 2.1.6 Deviations from this specification or changes in materials or design after the Purchase Order has been placed must be approved by the GPA Engineering Department and acknowledged by a Purchase Order Amendment.

- 2.1.7 Units received with deviations or non-conformances which are not acknowledged as specified in Sub-Paragraph 2.2.1 are subject to rejection. The Supplier is responsible for any corrective action including but not limited to materials, labor and transportation necessary to dispose of, or make the units conform to the specification.

- 2.1.8 Notification of defects discovered before or after installation that are believed to be inherent to manufacturing problems or workmanship shall be made and forwarded to the Supplier. The description of the item, documentation of the problem and the described information, disposition and/or follow-up (as appropriate) that GPA expects from the Supplier will be specified. The Supplier's response shall be made within thirty (30) days unless an extension is acknowledged and approved in writing by the GPA Manager of Engineering.

- 2.2 Warranty- the Supplier shall warrant the products to be free from defects in material and workmanship under normal use and service conditions. The term of the Warranty shall be the



lesser of twelve (12) months from the date of initial installation or eighteen (18) months from date of manufacture.

- 2.3 Statement of Compliance - The Supplier shall provide a signed statement verifying that the products being supplied fully comply with the specifications and drawings. Items not in full compliance with the specification and drawings will be identified with a description of the deficiency and any proposed substitutions. Items not in full compliance with the specifications and drawings must be approved by the GPA Engineering Department.

### 3.0 SUBMITTALS

- 3.1 The bidder shall provide with their bid the following data:
- Complete set of catalog cuts
  - Manufacturer's information brochures
  - Physical dimension drawings
  - Detailed installation instructions with diagrams and dimensions

### 4.0 PRODUCTS

- 4.1 15kV Deadbreak, 600 Ampere Cable Accessories
- 15kV Class Elbows /"T-Bodies": Deadbreak cable terminators shall be Elbow / "T-Body" type -units with 600 ampere continuous current rating, with capacitance test points, coordinated and sized with insulation diameter, conductor size, and material of cable being terminated. All 600A Elbow /"T -Body" connector must be packaged with an Insulating Plug with Cap, and Stud Lug and Cable Adapter.
  - 15kV Class Connecting Plugs: deadbreak connecting plug for use with deadbreak elbows/"T -Bodies", fully rated 600 Ampere interface. Assembled with Elastimold 600ATM Assembly Tool.
  - 15kV Class Elbows /"T-Bodies" 600 Ampere: Housing only.
  - 15kV Connector 600 Ampere: Threaded Stud only.
  - 15kV Connector 600 Ampere: Cable Adapter.
  - 15kV Connector 600 Ampere: Crimp Connector.
  - 15kV Connector 600 Ampere: Cold Shrinkable Jacket Seal.
  - 15kV Insulating Plug with cap: The Insulating Plug attaches and insulates 600 Ampere Deadbreak Connectors. It is equipped with a capacitive test point.
  - 15kV Class Reducing Tap Well: permits 200 Ampere tap off of 600 Ampere Connectors. The well will accept either 200 Ampere Loadbreak or Deadbreak Inserts.
  - 15kV Class Reducing Tap Plug: permits a 200 Ampere Deadbreak Tap off of a 600 Ampere Connector.



4.2 35kV Deadbreak, 600 Ampere Cable Accessories

- 4.2.1 35 kV Class Separable Splices: Deadbreak Cable Splice for joining two cables. Fully shielded, submersible and meet the requirements of IEEE Std 386™ standard - Separable Insulated Connector Systems. Includes two (2) Elbows / "T-Bodies", two (2) Insulating Plugs with Caps, one (1) Connecting Plug and one (1) Stud. Elbows / "T-Bodies" shall be provided without capacitive test points.
- 4.2.2 35 kV Class Insulating Plug with Cap: Deadbreak Plug with Cap to be inserted into Elbow/ "T-Body".
- 4.2.3 35 kV Class Connecting Plugs: Deadbreak Connecting Plug for use with Elbows/ "T-Bodies" fully rated 600 amp interface.

5.0 RATINGS

5.1 15kV Class Cable Accessories

System nominal voltage	13.8 kV phase to phase, grounded wye
Withstand Impulse Voltage (BIL)	95 kV 1.2x50 microsecond wave
AC Withstand Voltage	34 kV 60 Hz, 1 minute
DC Withstand Voltage	53 kV 15 minutes
Corona Extinction Level	11 kV, @ 3 picocoulombs sensitivity
Continuous Current	600 Amperes
Eight hour over load current	1,000 Amperes
Short-time current (duration, cycles = 10)	25,000 symmetrical, rms, Amperes

5.2 35kV Class Cable Accessories

System nominal voltage	34.5 kV phase to phase, grounded wye
Withstand Impulse Voltage (BIL)	150 kV 1.2x50 microsecond wave
AC Withstand Voltage	50 kV 60 Hz, 1 minute
DC Withstand Voltage	103 kV 15 minutes
Corona Extinction Level	26 kV, @ 3 picocoulombs sensitivity
Continuous Current	600 Amperes
Eight hour over load current	1,000 Amperes
Short-time current (duration, cycles = 10)	25,000 symmetrical, rms, Amperes

6.0 CONSTRUCTION

Terminations for dead front equipment shall be separable insulated connectors consisting of a 600 Amp dead break cable terminator system complying with IEEE 386. Disconnecting, single pole



terminators and matching 600 Amp bushing insert. Elbow Cable Terminator, Bushing Insert, and all other related components, must use the IEEE 386 Figure 5 Operating and Figure 3 Installation interface. All components shall be designed for sealing against moisture. Dead front terminations and elbow connections shall be fully shielded and meet all provisions of IEEE 592 and shall be suitable for submerged operation

- 6.1 Ethylene Propylene Diene Monomer Rubber (EPDM) insulation and shielding compounds shall be 100% peroxide-cured.
- 6.2 Maximum conductor temperatures:  
 90 degrees C Normal Operations  
 130 degrees C Emergency Operation  
 250 degrees C Short Circuit Operation  
 150 degrees C Transformer Interface
- 6.3 Connectors shall be compatible for use with one of the following cable designs:

15KV CONDUCTOR			INSULATION		CABLE DIAMETERS	
Size AWG/ kcmil	#of Wires	Material	Material	Thickness Mils	Conductor (mils)	Over Insulation (mils)
#2	7	Aluminum	XLPE	220	292	770
#2/0	19	Aluminum	XLPE	220	418	900
#4/0	19	Aluminum	XLPE	220	528	1010
500	37	Copper	XLPE	220	813	1290
750	61	Copper	XLPE	220	998	1480
1000	61	Copper	XLPE	220	1152	1640

35KV CONDUCTOR			INSULATION		CABLE DIAMETERS	
Size AWG	#of Wires	Material	Material	Thickness Mils	Conductor (mils)	Over Insulation (mils)
1/0	19	Aluminum or Copper	XLPE	420	362	1298
500	37	Copper	XLPE	420	813	1700
600	61	Aluminum	XLPE	420	866	1761
750	61	Aluminum or Copper	XLPE	420	998	1900
1000	61	Aluminum or Copper	XLPE	420	1152	2050

- 6.4 Elbow parts shall be interchangeable with existing (list available upon request) GPA elbow parts, including torque wrench and silicone lubricant.
- 6.5 Connectors shall have readily verifiable, permanent identification of vintage, no greater than by quarter and year of manufacture.



GUAM POWER  
AUTHORITY

SPECIFICATION No. E-048

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April 11, 2022

PREPARED BY THE ENGINEERING DEPARTMENT

REV. 2

### 7.0 TESTING

- 7.1 Connectors shall have passed tests in accordance with ANSI/IEEE 386, latest proposed revisions and IEEE Standard for Testing Shielding for Molded Cable Accessories.
- 7.2 Capacitive test point voltage shall be checked with high impedance volt meter.
- 7.3 Parts shall be examined visually and by X-ray periodically for porosity by taking the first piece molded on each shifts plus enough additional pieces during the shift as required insuring continued porosity free production.
- 7.4 A certified report shall be submitted to GPA Manager of Engineering proving compliance with all the test requirements of this specification.

### 8.0 SHIPMENT

- 8.1 Each connector shall be shipped in an individual protective container which will prevent damage and deformation to components.
- 8.2 Protective end plugs, caps and/or sealed plastic bags shall be provided to prevent open storage contamination.
- 8.3 Kit shall contain necessary installation items such as wrench, silicone grease, installation instructions, strip back guide, etc.

EFFECTIVE DATE: 5/17/22

ISSUED: 

APPROVED: 