

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200483899	5. PROJECT NO. (If applicable) PCN: 98860
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office, OP-ES-A Kennedy Space Center, FL 32899	CODE OP-ES	7. ADMINISTERED BY (If other than Item 6) CODE Same as block 6	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)	9A. AMENDMENT OF SOLICITATION. X NNK13483899R
	10A. MODIFICATION OF CONTRACT/ORDER NO.
	10B. DATED (SEE ITEM 13)
CODE	FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is required to sign this document and return copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of Amendment 0001 is to:

- A. Provide Government answers to potential bidder's questions, see attached.
- B. Incorporate changes to the solicitation as a result of responses to bidder questions, see attached.
- C. All other terms and conditions remain unchanged.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) SHERRY L GASAWAY
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	BY Sherry L Gasaway (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 8/22/2013

NNK13483899R – Revitalize Medium Voltage, Industrial and Payload Process Areas, PCN: 98860

A. ANSWERS TO BIDDERS QUESTIONS:

1. **REFERENCE:** Specification 79K39136, Section 26 11 13.00 98, Paragraph 1.4.1.a

QUESTION: This calls for Ambient Temperature of 50 degrees C. Switchgear manufacturers are telling us that 40 deg is IEEE standard, and in a ventilated bldg. is more than sufficient. Also, adding an HVAC unit would be a more efficient solution, if higher temperatures are expected, and would also provide more protection against humidity. Is the 40 degree design acceptable, and would the inclusion of an HVAC system be considered as an alternative?

RESPONSE: Ambient temperature service condition for primary unit substation is changed to 40 degrees C, do not provide an HVAC system. Reference new Addendum Item No. 36

2. **REFERENCE:** Specification 79K39136, Section 26 11 13.00 98, Paragraph 2.2.

QUESTION: Rear bolted panels may be needed to maintain arc-resistant rating, in conflict with section. Is this acceptable?

RESPONSE: Exterior switchgear housing is to have hinged rear doors. Cable compartments behind the doors may have bolted panels to meet arc-flash ratings. Reference new Addendum Item 37

3. **REFERENCE:** Specification 79K39136, Section 26 11 13.00 98, Paragraph 2.2.1.1.a

QUESTION: One manufacturer is suggesting zinc-plated hardware in lieu of silicon bronze. Is this acceptable?

RESPONSE: No, please provide silicon bronze hardware as specified.

4. **REFERENCE:** Specification 79K39136, Section 26 11 13.00 98, Paragraph 2.2.1.1.c & d

QUESTION: Internal bus bars only need to be rated at 40A to accommodate both AC and DC loads. Is this acceptable?

RESPONSE: No. AC and DC busses in the individual A and B substation sections must be capable of supplying both A and B sections combined together.

5. **REFERENCE:** Solicitation

QUESTION: Option 1 of the first package. We have not seen any mention of this. Is this a requirement for this package?

RESPONSE: No, the SEL relay option is not required for this package.

6. REFERENCE: Solicitation

QUESTION: Section C.1, Scope of Work page 4, #7 Drawing 79K39135 cables 23 through 39 does not show cables 27, 28, and 29 but EO-79K39135 shows those cables. Should these cables be installed?

RESPONSE: Item 7 (of non-applicable items) applies to Drawing 79K39135, not E01-79K39135. Cables 27, 28, and 29 on E01-79K39135 are to be installed; cable 29 is in scope and should be clouded on Sheet 7 of E01-79K39135. See Solicitation NNK13483899R, Page 4 Base Bid Scope Line Item 0001 3.d.. Reference new Addendum Item No. 32.

7. REFERENCE: Existing Cable Schedule EO-79K39135

QUESTION: Should cables K, L, M, N, P, R, S, T, V, and W. be removed?

RESPONSE: No. Reference new Addendum Item No. 33.

8. REFERENCE: Solicitation, Section C.1 Scope of Work page 5, #31 Drawing 79K39135 Note B

QUESTION: Note B appears on other Panels. Should it be removed from Panels P-SS119A and P-SS119B?

RESPONSE: No, provide integral surge suppressor on these two panels. Reference new Addendum Item No. 34.

9. REFERENCE: Drawing 79K39135, Sheet E-411 Feeder 204/205

QUESTION: How do cables 1 and 2 terminate to the at the air bus structure?

RESPONSE: 25 kV outdoor shielded termination with six (6) skirt shield and NEMA 2 hole lug (similar to current existing termination – see Detail 5 on Sheet E-512), reference new Addendum Item No. 35.

B.) INCORPORATE CHANGES INTO SOLICITATION

(b) Addenda to Specifications and Drawings:

32. Drawing E01-79K39135, Sheet 7 (E-004), zone D/5-8. Cable Number 29 should be clouded and is in scope.
33. Solicitation No. NNK13483899R, Page 3, Section C.1 SCOPE OF WORK, Line Item 0001, Base Bid Scope Sub-Item 2.c is revised as follows (Cable W is not to be removed):
- From: “c. Removal of 15 kV cables designated A through J, U, and W (Sheet E-003).”
- To: “c. Removal of 15 kV cables designated A through J, and U (Sheet E-003).”
34. Solicitation No. NNK13483899R, Page 5, Section C.1 SCOPE OF WORK, Line Item 0001, non-applicable item number 31 is revised as follows:
- From: “31. Sheet E-641 - Schedules for Switchboard B1, Panel B2, Panel B3, Panel P-SS227A, and Panel P-SS227B are not applicable. Notes A, B, and C are not applicable.”
- To: “31. Sheet E-641 - Schedules for Switchboard B1, Panel B2, Panel B3, Panel P-SS227A, and Panel P-SS227B are not applicable. Notes A and C are not applicable.”
35. Drawing 79K39135, Sheet 7 (E-004), zone G/6. Change REMARKS for Cables numbers 1 and 2 as follows:
- From: “PROVIDE CABLE”
- To: “PROVIDE CABLE - TERMINATE AT THE VCB 204/205 AIR BUS STRUCTURE USING 25 KV OUTDOOR SHIELDED TERMINATION WITH SIX (6) SKIRT SHIELD AND NEMA 2 HOLE LUG.
36. Specification 79K39136, Page 253. Primary Unit Substation Section 26 11 13.00 98, Paragraph 1.4.1.a is revised as follows:
- From: “a. Ambient Temperature: (50 degrees C) 120 degrees F.”
- To: “a. Ambient Temperature: (40 degrees C) 104 degrees F.”
37. Specification 79K39136, Page 257. Primary Unit Substation Section 26 11 13.00 98, Sub-section 2.2. The sixth sentence is revised and the seventh sentence is deleted as follows:

From: "The housing shall include hinged external rear doors to provide unfettered access to the cable terminations in the rear of each incoming and outgoing section without requiring the removal of any bolts. There shall be no other barriers between the cable terminations and the external rear doors."

To: "The housing shall include hinged external rear doors to provide unfettered access to the cable termination compartments in the rear of each incoming and outgoing section."

38. Solicitation No. NNK13483899R, Page 19, Section F.4 DOWNTIME AND EXCAVATION HOLDS is changed as follows:

From: "For purposes of this contract, the Contractor shall allow in his bid for a maximum of **60-days** during which all construction activities will be prohibited. In addition the Contractor shall allow for a maximum of **60 days** during which all excavation and other subsurface activities will be prohibited but other construction activities will be allowed. The Government will provide 24-four hour notice each time these restrictions are invoked."

To: "For purposes of this contract, the Contractor shall allow in his bid for a maximum of **30-days** during which all construction activities will be prohibited. In addition the Contractor shall allow for a maximum of **120 days** during which all excavation and other subsurface activities (**including manhole entry**) will be prohibited but other construction activities will be allowed. The Government will provide 24-four hour notice each time these restrictions are invoked."

39. Drawing 79K39135, Sheet 39 (E-102), zone F/3-4. Locate Manhole MHP-39A 7-feet North and 40-feet East of its current indicated location. Transition point between concrete encased duct bank and directional bore ducts do not change. Change note as follows:

From: NEW MHP-39A

N 1523542.2

E 769107.8

To: NEW MHP-39A

N 1523549.2

E 769147.8