

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 000002	3. EFFECTIVE DATE 08/24/2015	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA/Marshall Space Flight Center Office of Procurement Marshall Space Flight Center AL 35812	CODE MSFC	7. ADMINISTERED BY (If other than Item 6) NASA/Marshall Space Flight Center Marshall Space Flight Center AL 35812	CODE MSFC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x) 9A. AMENDMENT OF SOLICITATION NO. NNM15551081E	
		x 9B. DATED (SEE ITEM 11) 07/29/2015	
		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 0 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 ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	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 not. 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 this amendment to IFB NNM15551081E, Revitalize Electrical Systems for the Central Chiller Facility at Building 4473, is to:

1. Revise page 15 of the IFB; and
2. Provide responses to questions asked by potential bidders.

I. Revision of Contract Clause

H.7, MSFC 52.223-90, Asbestos Material, on page 15 has been replaced in its entirety with the revised clause dated August 2015. The revised page 15 is attached.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Brian A Speer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Original Signed by Brian A. Speer (Signature of Contracting Officer)	16C. DATE SIGNED 8/24/2015

NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>II. Questions and Responses</p> <p>Question 1: In Section 26 11 13 under Paragraph 2.3.A it states that the design tension shall be 10,000 lbs. per conductor. This is extremely high for 46kV and the actual layout of the station. Please confirm that this is correct or if not what the actual design tension should be.</p> <p>Response 1: Bid per plans and specifications.</p> <p>Question 2: It has been pointed out that crushed gravel is not readily available in the state of Alabama and would need to be trucked in over a significant distance. Would crushed limestone, (which is available at much less expense) of the same size requirements be acceptable?</p> <p>Response 2: Per the plans (Sheet C4, Note 2A), crushed granite is needed to meet the resistivity requirements.</p> <p>Question 3: System Architecture (Single or Dual Redundant Master Station?)</p> <p>Response 3: Single station in the substation per sheet E9.</p> <p>Question 4: Where will the SCADA host server(s) be located?</p> <p>Response 4: The SCADA host server will be located in Building 3329.</p> <p>Question 5: Will a workstation(s) be required for the operator(s)?</p> <p>Response 5: All equipment shall be provided per sheet E9.</p> <p>Question 6: Will this be turnkey? Database and screen graphics?</p> <p>Response 6: Yes. Database and graphics.</p> <p>Question 7: Can a list of devices and points list for each device be provided for viewing on the SCADA Master?</p> <p>Continued ...</p>				

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
NNM15551081E/000002

PAGE OF
3 5

NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Response 7: A points list will come from the Army.</p> <p>Question 8: Confirm if DNP is the only communications protocol for SCADA?</p> <p>Response 8: DNP only.</p> <p>Question 9: Will the SCADA system be exchanging data with another system? ICCP or virtual RTU?</p> <p>Response 9: No.</p> <p>Question 10: Confirm who will be responsible for wiring and programming of substation equipment?</p> <p>Response 10: The wiring and programming shall be completed and commissioned by the successful bidder.</p> <p>Question 11: We would expect one week of onsite training and two weeks for commissioning would be needed for this project, are there any additional site requirements?</p> <p>Response 11: Onsite support shall be as needed for a complete and commissioned system.</p> <p>Question 12: Is text messaging or emails required for alarm?</p> <p>Response 12: No.</p> <p>Question 13: Spec Section 01 05 90 paragraph 3.20. Is the statement instructing the contractor to provide an on-site trailer for government use only applicable to this project?</p> <p>Response 13: An on-site trailer for the government's use is not applicable to this project.</p> <p>Question 14: Section 2.4-C specifies a PVC jacket while Section 2.4-C-3 specifies a LLDPE (Linear Low Density Polyethylene) jacket. Which one do you want on this project, PVC or LLDPE?</p> <p>Response 14: LLDPE.</p> <p>Continued ...</p>				

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
 NNM15551081E/000002

PAGE OF
 4 5

NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Question 15: Section 2.4-C-5 calls for a 33% neutral for three phase circuits and 100% neutral for single phase circuits. Is this circuit going to be single phase or three phase, i.e. 33% or 100% neutral?</p> <p>Response 15: Three phase 33% neutral.</p> <p>Question 16: Section 2.4-C-1 does not specify compressed or compact conductor. We can provide either, but compact will have a shorter delivery time.</p> <p>Response 16: Compact.</p> <p>As a result of this amendment, the hour and date for bids are not extended. Bids are still due on Wednesday, September 2, 2015, at 2:00 P.M. local time at the Huntsville-Madison County Chamber of Commerce located at 25 Church Street, Huntsville, Alabama 35810.</p> <p>INCO TERMS 2: Destination</p>				

(g) After receipt of the Contractor's proposal, the contracting officer shall act within a reasonable period, provided that when the necessity to proceed with a change does not permit time to properly check the proposal, or in the event of a failure to reach an agreement on a proposal, the contracting officer may order the Contractor to proceed on the basis of the price being determined at the earliest practicable date. In such a case, the price shall not be more than the increase or less than the decrease proposed.

(End of clause)

H.7 MSFC 52.223-90 Asbestos Material (AUG 2015)

During performance of this contract, Contractor personnel performing work in MSFC buildings may come in contact with materials containing asbestos. MSFC Buildings 4200, 4201, and 4663 are of special concern since they are known to contain a sprayed on fire insulation on or above the ceiling, usually located on the metal or concrete structure of the buildings. Examples of asbestos-containing material are floor tile, pipe and lagging insulation, exterior siding, roofing felt, and many other building materials. To facilitate communication, MSFC has established a website where the inventory of asbestos-containing material, their condition and approximate location are provided. The URL for this website is <http://ais.ndc.nasa.gov/default.aspx>. If the Contractor is unable to access this URL, they may contact the Contracting Officer or MSFC's Environmental Engineering and Occupational Health (EEOH) Office (organization code AS10) for assistance. Prior to performing tasks which may disturb building material containing asbestos or suspected asbestos, the Contractor shall notify MSFC's EEOH Office for assistance. The Contractor shall also be responsible for ensuring that all Contractor personnel working onsite are made aware of and comply with the requirements of this clause.

(End of Clause)

H.8 MSFC 52.223-91 Hazardous Material Reporting (AUG 2005)

(a) If during the performance of this contract, the Contractor transports or accepts delivery of any hazardous materials (hazardous as defined under the latest version of Federal Standard No. 313, including revisions adopted during the term of the contract) on-site to Marshall Space Flight Center, the hazardous material shall be processed through MSFC Central Receiving to be bar-coded for inventory. Chemical containers shall be managed in accordance with the provisions of MWI 8550.5, "Chemical Management." The Contractor shall be responsible for ensuring that all Contractor/subcontractor personnel are made aware of and comply with this clause.

(b) Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material; or with clauses regarding hazardous materials, which may be contained in the order.

(End of clause)