

<b>SOLICITATION, OFFER AND AWARD</b> (Construction, Alteration or Repair)		1. SOLICITATION NO Sample Project 1	2. TYPE OF SOLICITATION Negotiated (RFP)	3. DATE ISSUED 5/9/13	PAGE OF 1 6 PAGES
4. CONTRACT NO.		5. REQUISITION/PURCHASE NO.		6. PROJECT NO. NNA12450885R-PFM	
7. ISSUED BY NASA Ames Research Center, Acquisitions Division, Moffett Field, CA 94035-1000		CODE	8. ADDRESS OFFER TO NASA Ames Research Center, Acquisitions Division, Moffett Field, CA 94035-1000		
9. FOR INFORMATION CALL: (Name) Patricia Finnell-Mendoza		(Phone) (650) 604-6332	(Fax) (650) 604-2593	(Electronic Mail Address) patricia.f.mendoza@nasa.gov	

### SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):  
**RESTORATION OF ELECTRICAL DISTRIBUTION SYSTEM-HIGH VOLTAGE-WORK PACKAGE 1 (REDS HV WP1)**  
 The work to be performed under this project consists of the contractor furnishing all labor, equipment, material and services to install, and test the specified work and all work reasonably incidental thereto, in accordance with the attached specifications (attachment J-7) and the accompanied drawings (Attachment J-8). See Attachment A, statement of work for the major work items to be performed and priced.

Information for Block 12: If this Sample Project 1 is awarded, Performance and Payment Bonds will be required within 10 calendar days.

Additional information for Block 13:

This statement in block 13 DOES NOT APPLY to this solicitation: "Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due." Follow the instructions in Section L, paragraph L.8 (b) (1) Proposal Preparation-General Instructions. CAUTION- LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in the solicitation.

Magnitude of Construction: Between \$1,000,000 and \$5,000,000.

An organized site visit was held on March 14, 2013 at 10:00 AM. Participants met at Ames Research Center, Building N233, Room 172, Moffett Field, CA. 95034-0001

11. The Contractor shall begin performance within <u>15</u> calendar days and complete it within <u>365</u> calendar days after receiving <input type="checkbox"/> Award, <input checked="" type="checkbox"/> Notice to proceed. This performance period is <input type="checkbox"/> Mandatory, <input type="checkbox"/> Negotiable. See	
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? YES <input type="checkbox"/> NO <input type="checkbox"/> <small>(If "YES," indicate within how many calendar days after award in Item 12.B.)</small>	12B. CALENDAR DAYS

13. ADDITIONAL SOLICITATION REQUIREMENTS:

- A. Sealed offers in original and 4 copies to perform the work required are due at the place specified in item 8 by 12:00 PM 6/10/2013 local time.
- B. An offer guarantee IS NOT required.
- C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- D. Offers providing less than 180 calendar days of Government acceptance after the date offers are due will not be considered and will be rejected.

**OFFER (Must be fully completed by offeror)**

14A. NAME, ADDRESS OF OFFEROR (Include ZIP Code)	15. TELEPHONE	(Fax)
	16. REMITTANCE ADDRESS (Include only if different than item 14.)	
CODE	FACILITY CODE	

17. The offerer agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within \_\_\_\_\_ calendar days after the date offers are due.

AMOUNTS	Base Item Offer 1: <u>SEE PAGE 3</u>
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18. The offerer agrees to furnish any required payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the solicitation - give number and date of each.)	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER	20B. SIGNATURE	20C. OFFER DATE
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**AWARD (To be completed by Government)**

21. ITEMS ACCEPTED

22. AMOUNT	23 ACCOUNTING AND APPROPRIATION
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	25. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: 41 U.S.C. 2034(c) <input checked="" type="checkbox"/> 41 U.S.C. 253(c) <input type="checkbox"/>
26. ADMINISTERED BY See Block 7	27. PAYMENT WILL BE MADE BY NASA Shared Services Center (NSSC) Financial Management Division (FMD)-Accounts Payable Bldg. 1111, Road C Stennis Space Center, MS 39529

**CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE**

<input checked="" type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any other continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document). Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
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30A. NAME OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN	31A. NAME AND TITLE OF CONTRACTING OFFICER	
30B. SIGNATURE	31B. UNITED STATES OF AMERICA	28. AWARD DATE
30C. DATE		

**Continuation of Block 17, the offerer agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within calendar days after the date offers are due:**

<b>Buildings</b>	<b>Direct Cost</b>	<b>OH/Profit</b>	<b>Subtotal</b>	<b>ODC</b>	<b>Total</b>
N213W					
N213E					
N223					
N227D					
N243					
N246					
			Grand Total:		

Contract No.	Solicitation No. Sample Project 1	Req/PR No.	Buyer Patricia Finnell-Mendoza
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Additional Information

**ALL OFFERS ARE SUBJECT TO THE (1) WORK REQUIREMENTS, (2) THE TERMS AND CONDITIONS OF THE BASIC CONTRACT, AND (3) THE FOLLOWING DOCUMENTS, PROVISIONS, AND/OR CLAUSES INCORPORATED IN THE TASK ORDER IN FULL TEXT OR BY REFERENCE.**

1. Drawing Numbers for buildings N213E, N213W, N223, N227D, N246, and N243: A1---1001-G1 through G4, A1---1001-E1 through E16, E21 through E37, A1---1001-S1, through S5, A1---1001-M1, M2, M4, M5 (Attachment J-8) and Specifications K10018 entitled, "Restoration of electrical Distribution System High Voltage Work Package #1" (Attachment J-7).

2. Until further notice, this is a SAMPLE Project.

3. FAR 52.211-10, COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than 365 calendar days after the contractor receives the notice to proceed. The time stated for completion shall include final cleanup of the premises.

(End of clause)

4. FAR 52.211-12, LIQUIDATED DAMAGES-CONSTRUCTION (SEP 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, the contractor shall pay liquidated damages to the Government in the amount of \$600.00 for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

(End of clause)

5. NFS 1852.245-76 LIST OF GOVERNMENT PROPERTY FURNISHED PURSUANT TO FAR 52.245-1 (JANUARY 2011)

For performance of work under this contract, the Government will make available Government property identified below of this task order on a no charge-for-use basis pursuant to the clause at FAR 52.245-1, Government Property, as incorporated in this contract. The Contractor shall use this property in the performance of this contract at N233 and N239 and at other location(s) as may be approved by the Contracting Officer. Under FAR 52.245-1, the Contractor is accountable for the identified property.

Item Description: Seven (7) Schneider ION 7350 meters and (7) Alstom P116 relays.

(End of clause)

Statement of Work  
Restoration of Electrical Distribution System – High Voltage- Work Package 1  
Located at  
NASA Ames Research Center

The contractor shall furnish all labor, equipment, material and services to install, and test the specified work and all work reasonably incidental thereto, in accordance with the attached specifications and the accompanied drawings.

Major work items to be performed and priced as follows:

- a. Provide temporary power sources as required.
- b. Install new relays and power monitoring devices as pre-purchased by the Government. The relays will be pre-set by the Government prior to installation.
- c. Install Arc Flash Detectors completely wired into the new switchgears. Installation shall be in accordance with manufacturer's recommendations.
- d. Provide all painting, labeling and signage as required to complete the work.
- e. Construction must be planned and executed to provide reliable temporary power arrangements, including a mobile generator. The contractor shall provide a detailed work, including estimated timelines and proposed staffing resources, and notify at least 3 weeks in advance for approval on each outage. Building-wide shutdowns must be planned for Saturdays.
- f. The contractor shall provide barriers surrounding work areas and. The contractor shall clean up and vacuum the work area at the end of each work day.
- g. Upon award of contract, the construction schedule will be reviewed with the contractor for final modifications.
- h. The contractor is to provide the following to NASA for review and approval prior to ordering: cost proposals, delivery schedule, submittals and catalog cuts.
- i. The contractor is responsible to provide a safety plan and document weekly safety meetings addressing project specific safety hazards.
- j. Preparation of record drawings is the contractor's responsibility for the work scoped above. The drawings are to be submitted, along with warranties and O&M manuals, to the Government for review and inclusion in the record set for the complete project. Final payment will not be made to the contractor until this requirement has been met.
- k. All workers on this project must gain security clearance prior to entering the facility.

- I. The proposed schedule for this work is 365 days after contract awarded.  
This schedule may be modified pending verification of equipment lead times and detailed construction and outage scheduling.

Upgrade the existing six building substations by replacing the existing 6.9kV transformers and breakers with new dual voltage 13.8kVx6.9kV transformers and 15kV breakers, cables rated at 8kV with new cables rated at 15kV, and other 6.9kV rated equipment as summarized in the below:

1. Building N246 Upgrade:
  - a. Replace the existing transformer T-154 (6.9kV—480/277V) with a dual voltage transformer rated at 750kVA, 13.8kVx6.9kV-480/277V.
  - b. Replace existing 6.9kV medium voltage (MV) switchgear with 13.8kV MV switchgear. Switchgear relays shall be replaced by Alstom equivalent relays.
  - c. Replace existing 6.9kV incoming varnished cambric lead cables from pad-mount switch number SW 539 to switchgear with 15kV EPR distribution cables.
2. Building N223 Upgrade:

Upgrade the existing N223 building substation by replacing the existing 6.9kV ACB492 with a new 13.8kV VCB, cables rated at 8kV with new cables rated at 15kV, and other 6.9kV rated equipment as required.
3. Building N213E Upgrade:
  - a. Replace the existing transformer T-102 (6.9kV—480/277V) with a dual voltage transformer rated at 1000kVA, 13.8kVx6.9kV-480/277V.
  - b. Replace existing 6.9kV medium voltage (MV) switchgear with 13.8kV MV switchgear. Switchgear relays shall be replaced by Alstom equivalent relays.
  - c. Replace existing 6.9kV incoming cables from pad-mount switch number SW 446 to switchgear with 15kV EPR distribution cables.
4. Building N213W Upgrade:
  - a. Replace the existing transformer T-14 (6.9kV—480/277V) with a dual voltage transformer rated at 500kVA, 13.8kVx6.9kV-480/277V.
  - b. Replace the existing 6.9kV ACB080 with a new 13.8kV VCB. Switchgear relays shall be replaced by Alstom equivalent relays.
5. Building N246 Upgrade:
  - a. Replace the existing transformer T-154 (6.9kV—480/277V) with a dual voltage transformer rated at 750kVA, 13.8kVx6.9kV-480/277V.
  - b. Replace existing 6.9kV medium voltage (MV) switchgear with 13.8kV MV switchgear. Switchgear relays shall be replaced by Alstom equivalent relays.
6. Building N227 Upgrade:
  - m. Replace the existing transformer T-308 (6.9kV—480/277V) with a dual voltage transformer rated at 300kVA, 13.8kVx6.9kV-480/277V.
  - n. Provide a new 13.8kV VCB492 with Alstom relays.
  - o. Provide new 15kV EPR distribution cables from the existing S&C switch 539.