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|---|-------------------|--|--|-------------------|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |                   |  | 1. CONTRACT ID CODE  | PAGE 1 OF 2 PAGES |
| 2. AMENDMENT/MODIFICATION NO.<br><b>000001</b>  | 3. EFFECTIVE DATE | 4. REQUISITION/PURCHASE REQ. NO.                                     | 5. PROJECT NO. (If applicable)   |                   |
| 6. ISSUED BY<br>NASA Stennis Space Center<br>Office of Procurement<br>Building 1100 Room 251 H<br>Stennis Space Center, MS 39529-6000 |                   | 7. ADMINISTERED BY (If other than Item 6)<br><b>Same as block #6</b> |  | CODE              |
| 8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP Code)  |                   |  | ( <input checked="" type="checkbox"/> ) 9A. AMENDMENT OF SOLICITATION NO.<br><b>NNS10ZDA003R</b> |                   |
|   |                   |  | ( <input checked="" type="checkbox"/> ) 9B. DATED (SEE ITEM 11)<br><b>3/10/1020</b>              |                   |
|   |                   |  | 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 one (1) copy 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 ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA 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 data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

**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 not,  is required to sign this document and return 1 copies to the issuing office.

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

1. This amendment is issued to provide drawings for Specification 31B00-G004, LOX Barge and to provide responses to questions submitted by prospective offerors.
2. In addition, FAR 52.212-5 is amended to reflect that FAR 52.225-3, Buy American Act-Supplies (Feb 2009) applies to this acquisition.
- 3 Site Visit: a. An organized site visit has been scheduled for: March 30, 2010 at 9:00 a.m. Offerors must email list of participants at least 24 hours prior to the scheduled site visit to carol.l.west@nasa.gov.

Except as provided herein, all terms and conditions of the document referenced in Item 9A 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) |                  |
|   |                  | Carol L. West  |                  |
| 15B. CONTRACTOR/OFFEROR                           | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA                              | 16C. DATE SIGNED |
| _____<br>(Signature of person authorized to sign) |                  | BY _____<br>(Signature of Contracting Officer)             |                  |

(b) Participants will meet at: **the Gainesville Conference Room, Building 1100 at Stennis Space Center, MS.**

(c) All interested offerors are urged and expected to inspect the site where the LOX Barge and Clermont Pushboat are located and to satisfy themselves regarding all general and local conditions that may affect the cost of contract performance, to the extent that the information is reasonably obtainable. In no event shall failure to inspect the site constitute grounds for a claim after contract award.

(d) The site will not be open for inspection at any other time unless authorized by amendment to this solicitation. All offerors are required to have a valid state driver's license in order to sign-in at the NASA John C. Stennis Space Center Main Gate.

All offerors are required to bring the following safety equipment with them:

- Hard Hat
- Steel Toed Shoes
- Safety Glasses
- Hearing Protection

Due to "National Security", company representation shall be limited to a maximum of two people. Also, a valid driver license with picture identification will be required before access to the Center will be allowed.

(End of provision)

4. The proposal due date is extended from April 2, 2010, to April 9, 2010, 3:00 p.m. local.

5. The following drawings are hereby attached:

31B00-A001 REV0A  
31B00-A002 REV1  
31B00-A003 REV0A  
31B00-A004 REV0A  
31B00-A005 REV0A  
31B00-A007 REV4  
31B00-M001 REV0A  
31B00-P003 REV3A  
31B00-P006 REV0A  
31B00-P009 REV0A  
31B00-P012 REV0A  
SK2 Layout1

6. Attachment 1 provides questions submitted and the NASA response for each.

7. Pictures of the LOX Barge will be provided on a separate CD.

## NASA RESPONSE TO WRITTEN QUESTIONS

Question: Please advise whether only labors with green cards or U.S. citizenship are qualified to do this project.

Response: The offeror is required to comply with all Federal, state and local laws, including Immigration and Labor laws.

Question: Please advise whether we can use main engines made outside the U.S.A. because current Cummins VTA28-M twin engines installed on NASA Pushboat Clermont II are now manufactured by Cummins Chongqing, China.

Response: The specification calls for Caterpillar L32 engines or approved equal. FAR 52.225-2, Buy American Act-Supplies (Feb 2009) applies to this procurement.

Question: Are any drawings available of the NASA Liquid Propellant Barge described in Attachment 2 of the solicitation. Areas of particular interest are a General Arrangement drawing, Docking Plan, details of deluge piping (para 11), Shell Expansion drawing (para 14), LOX Tank drawing (para 23.4), tank scuttle drawing (para24) and sacrificial zinc drawing (para 26). In the absence of specific drawings, alternative information in the form of photographs, number and size of zincs, diameter and length of the LOX tank, etc. will be very helpful in developing an accurate cost estimate.

Response: See attached drawings and pictures of the details for the LOX barge. Docking plan is responsibility of the contractor. Current installed anodes are of 7-12 aluminum alloy with a normal weight of 37 pounds each. The LOX Barges are equipped with 20 each. Anodes are Wilson / Walton W-120 welded on type.

Question: Please confirm that all paints and thinners for both vessels are to be Contractor furnished?

Response: All paints and thinners are to be supplied by contractor.

Question: Does NASA intend to split the award of the (2) vessels, or is the intent to award to a single Contractor?

Response: The intent is to make award to one contractor for both vessels.

Question: Will mobilization costs be factored into the evaluation of competitive quotations?

Response: SSC will deliver the vessels to the contractor and pickup. Successful offeror will be responsible for all work to meet the specifications and return each vessel to the government.

Question: Does NASA require that the paints being furnished be sole sourced to PPG/Ameron, or will they accept equivalent products from alternative manufacturers?

Response: All paints shall be PPG/Ameron. Alternate products are not acceptable.

Question: Please confirm what condition (Hot, Inert or Gas Free) the External LOX tank will be when delivered into the shipyard?

Response: Tank is Inert with Gaseous Nitrogen – Sample Results will be provided.

Question: Please confirm whether the void tanks in the barge are coated? If so, please advise nature and type of coating and whether the Contractor will be required to repair internal coatings in way of Hot Work?

Response: Void Tanks are coated with Red lead. Any work involving hot work that penetrates to the inner tank must be re-coated with an approved PPG/Ameron Tank Coating.

Question: NASA Drydock & Repairs Spec for the LOX Barge make reference on page 4 (of 11) to the following attached: "Propellent Barges LOX Barge Deluge System Renewal" Dwg No SK2.

Response: See attached drawings and pictures of the LOX barge details.

Question: In the specifications for the Clermont II under Section II. ENGINE ROOM, Item Q please respond to the following questions:

1) The item says provide labor and material, does that mean quote the equipment also or is it GFE?

2) Will an existing radar be removed, if so can the same mounting pedestal be reused?

Response: 1: Yes, the Contractor is to include all labor including the services of a certified Gas Chemist to issue a gas free certificate for all fuel oil tanks, material and equipment that is required to off load fuel from the Vessel.

2: Yes, an existing radar will be removed. Yes the existing mounting bracket can be reused.