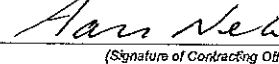


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                 |  |                                                                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 1. CONTRACT ID CODE                                                             |  | PAGE OF PAGES<br>1 2                                                                                                                                            |  |
| 2. AMENDMENT/MODIFICATION NO.<br>0015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 3. EFFECTIVE DATE<br>See Block 16C                                              |  | 4. REQUISITION/PURCHASE REQ. NO.                                                                                                                                |  |
| 6. ISSUED BY<br>Idaho Operations<br>U.S. Department of Energy<br>Idaho Operations<br>1955 Fremont Avenue<br>Idaho Falls ID 83415                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | CODE 00701                                                                      |  | 5. PROJECT NO. (If applicable)<br>CODE 00701                                                                                                                    |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)<br><br>SPECTRA TECH, INC.<br>Attn: Loong Yong<br>132 JEFFERSON COURT<br>OAK RIDGE TN 378304821                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | (x)                                                                             |  | 9A. AMENDMENT OF SOLICITATION NO.                                                                                                                               |  |
| CODE 005078584                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | FACILITY CODE                                                                   |  | 9B. DATED (SEE ITEM 11)                                                                                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | x                                                                               |  | 10A. MODIFICATION OF CONTRACT/ORDER NO.<br>DE-EM0003976                                                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                 |  | 10B. DATED (SEE ITEM 13)<br>10/21/2015                                                                                                                          |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                 |  |                                                                                                                                                                 |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers<br>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 _____ 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)<br>Net Increase: \$80,000.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                 |  |                                                                                                                                                                 |  |
| 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                 |  |                                                                                                                                                                 |  |
| CHECK ONE<br>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.<br>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).<br>C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:<br>D. OTHER (Specify type of modification and authority)<br>X B.4 Obligation of Funds & Clause I.109 - FAR 52.243-1 Changes - Fixed Price (Aug 1987) Alt I (Apr 1984)                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                 |  |                                                                                                                                                                 |  |
| E. IMPORTANT: Contractor <input type="checkbox"/> Is not. <input checked="" type="checkbox"/> 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.)<br>Tax ID Number: 62-1620591<br>DUNS Number: 005078584<br>This purpose of this modification is to add work scope to CLIN 0002 (see detailed work scope below under the line item section). This change increases the CLIN 00002 amount by \$80,000.00. This modification also obligates \$80,000.00 to CLIN 0002.<br>Payment:<br>FOB: Destination<br>Period of Performance: 01/04/2016 to 03/31/2021<br><br>Change Item 00002 to read as follows (amount shown is the total amount):<br>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)<br><br>Robert Milazzo, Vice President                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br><br>Aaron Nebeker |  |                                                                                                                                                                 |  |
| 15B. CONTRACTOR/OFFEROR<br><br><br>(Signature of person authorized to sign)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 16C. DATE SIGNED<br><br>9/29/2016                                               |  | 16B. UNITED STATES OF AMERICA<br><br><br>(Signature of Contracting Officer) |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                 |  | 16C. DATE SIGNED<br><br>9/29/16                                                                                                                                 |  |

|                           |                                                                |      |    |
|---------------------------|----------------------------------------------------------------|------|----|
| <b>CONTINUATION SHEET</b> | REFERENCE NO. OF DOCUMENT BEING CONTINUED<br>DE-EM0003976/0015 | PAGE | OF |
|                           |                                                                | 2    | 2  |

NAME OF OFFEROR OR CONTRACTOR  
SPECTRA TECH, INC.

| ITEM NO.<br>(A) | SUPPLIES/SERVICES<br>(B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | QUANTITY<br>(C) | UNIT<br>(D) | UNIT PRICE<br>(E) | AMOUNT<br>(F) |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-------------------|---------------|
| 00002           | <p>Base Period (less TMI-2 License Renewal)</p> <p>(four years from the end of transition)</p> <p>Line item value is:: \$25,674,713.73</p> <p>Incrementally Funded Amount: \$6,114,671.85</p> <p>An Authorized Derivative Classifier is needed to perform Derivative Classification of documents related to the Nuclear Regulatory Commission Licensed Facility Project. The individual will need to complete specific training associated with use of these bulletins/guides and subsequently be issued a classification authorization letter from the program classification officer. The derivative classification review of documents will continue on an "as needed" basis and is expected to last approximately 6 months. Upon completion of the scope, DOE-ID shall issue a modification to remove this scope from the contract.</p> <p>The CLIN 00002 amount is increased by \$80,000.00. This modification also obligates \$80,000.00 to CLIN 0002.</p> |                 |             |                   | 25,674,713.73 |