

Grant and Cooperative Agreement

CHOOSE ONE:

- COOPERATIVE AGREEMENT
 GRANT

CHOOSE ONE: EDUCATION FACILITIES RESEARCH SDCR TRAINING

| | | | |
|--|-------------------------------|---------------------------------|--------------------|
| 1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-HQ-12-G-38-0074 | 2. SUPPLEMENT NUMBER M0001 | 3. EFFECTIVE DATE 09/23/2015 | 4. COMPLETION DATE |
|--|-------------------------------|---------------------------------|--------------------|

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| 5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) CURATORS OF THE UNIVERSITY OF MISSOURI 316 UNIVERSITY HALL COLUMBIA MO 652113020 | 6. ISSUED BY U.S. NRC - HQ Mailing Address: Acquisition Management Division Mail Stop: TWFN-5E03 Washington DC 20555-0001 |
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| 7. TAXPAYER IDENTIFICATION NO. (TIN) | 9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) Dr. Patrick Pinhero Email: Pinherop@missouri.edu; Phone: 573-882-7319 |
| 8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO. | |

10. RESEARCH, PROJECT OR PROGRAM TITLE
Nuclear Science and Engineering Research and Educational Program in Nuclear Materials at the University of Missouri

11. PURPOSE
See Schedule

12. PERIOD OF PERFORMANCE (Approximately)
08/31/2012 through 08/30/2016

| 13A. | AWARD HISTORY | 13B. | FUNDING HISTORY |
|-----------------|---------------|-------------|-----------------|
| PREVIOUS | \$450,000.00 | PREVIOUS | \$450,000.00 |
| THIS ACTION | \$0.00 | THIS ACTION | \$0.00 |
| CASH SHARE | \$0.00 | TOTAL | \$450,000.00 |
| NON-CASH SHARE | \$0.00 | | |
| RECIPIENT SHARE | \$150,000.00 | | |
| TOTAL | \$450,000.00 | | |

14. ACCOUNTING AND APPROPRIATION DATA

| PURCHASE REQUEST NO. | JOB ORDER NO. | AMOUNT | STATUS |
|----------------------|---------------|--------|--------|
| | | | |
| | | | |

15. POINTS OF CONTACT

| | NAME | MAIL STOP | TELEPHONE | E-MAIL ADDRESS |
|-------------------|------|-----------|-----------|----------------|
| TECHNICAL OFFICER | | | | |
| NEGOTIATOR | | | | |
| ADMINISTRATOR | | | | |
| PAYMENTS | | | | |

16. THIS AWARD IS MADE UNDER THE AUTHORITY OF:
Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended.

| | |
|---|---|
| 17. APPLICABLE STATEMENT(S), IF CHECKED: <input type="checkbox"/> NO CHANGE IS MADE TO EXISTING PROVISIONS <input type="checkbox"/> FDP TERMS AND CONDITIONS AND THE AGENCY-SPECIFIC REQUIREMENTS APPLY TO THIS GRANT | 18. APPLICABLE ENCLOSURE(S), IF CHECKED: <input type="checkbox"/> PROVISIONS <input type="checkbox"/> SPECIAL CONDITIONS <input type="checkbox"/> REQUIRED PUBLICATIONS AND REPORTS |
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|---|---------------------------------|
| UNITED STATES OF AMERICA | COOPERATIVE AGREEMENT RECIPIENT |
| CONTRACTING/GRANT OFFICER M'LITA R. CARR | DATE 09/23/2015 |
| AUTHORIZED REPRESENTATIVE <i>Jeremy Cox</i> Jeremy Cox, MBA | DATE 9-25-15 |

TEMPLATE - ADMIN

SUNSI REVIEW COMPLETE Sponsored Programs Administration
 Authorized Official University of Missouri
 OCT - 1 2015

Grant and Cooperative Agreement

| ITEM NO. (A) | ITEM OR SERVICE (Include Specifications and Special Instructions) (B) | QUANTITY (C) | UNIT (D) | ESTIMATED COST | |
|-----------------|---|-----------------|-------------|-------------------|---------------|
| | | | | UNIT PRICE (E) | AMOUNT (F) |
| | <p>CFDA Number: 77.008 DUNS Number: 153890272 ZEROREQ-OCHCO-15-0248</p> <p>The purpose of this modification is to:</p> <p>1) Extend the period of performance.</p> <p>As a result of this modification:</p> <p>1) ATTACHMENT A - SCHEDULE, A.2 PERIOD OF GRANT, delete in its entirety and replace with the following:</p> <p>"1. The effective date of this Grant is August 31, 2012. The completion date of this Grant is August 30, 2016.</p> <p>2. Funds obligated in this grants are available for program expenditures for the period: August 31, 2012 - August 30, 2016"</p> <p>2) A.4 AMOUNT OF AWARD AND PAYMENT PROCEDURES, delete in its entirety and replace with the following:</p> <p>"1. The total estimated amount of this Award is \$450,000.00 for a four year period; inclusive of cost sharing."</p> <p>** All other terms and conditions remain the same**</p> <p>LIST OF CHANGES: Period Of Performance End Date changed from 2015-08-30 Payment: ASAP GRANT FUNDS REIMBURSEMENT SYS US TREASURY Period of Performance: 08/31/2012 to 08/30/2016</p> | | | | |