

Grant and Cooperative Agreement

CHOOSE ONE:

- COOPERATIVE AGREEMENT
 GRANT

CHOOSE ONE: EDUCATION FACILITIES RESEARCH SDCR TRAINING

| | | | | | | | |
|---|--|-------------------------------|--|---|--|-----------------------|--|
| 1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-HQ-13-G-38-0003 | | 2. SUPPLEMENT NUMBER M0001 | | 3. EFFECTIVE DATE 08/05/2016 | | 4. COMPLETION DATE | |
| 5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) PENN STATE 201 OLD MAIN UNIVERSITY PARK PA 168021505 | | | | 6. ISSUED BY U.S. NRC - HQ Mailing Address: Acquisition Management Division Mail Stop: TWFN-5E03 Washington DC 20555-0001 | | | |
| 7. TAXPAYER IDENTIFICATION NO. (TIN) | | | | 9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) Dr. Karen Thole Email: kthole@psu.edu Phone: (814) 865-2519 | | | |
| 8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO. | | | | | | | |
| 10. RESEARCH, PROJECT OR PROGRAM TITLE Faculty Development Grant for Sensor Development and Control Methods in Nuclear Power Plant: | | | | | | | |
| 11. PURPOSE See Schedule | | | | | | | |
| 12. PERIOD OF PERFORMANCE (Approximately) 08/01/2013 through 07/31/2017 | | | | | | | |
| 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 | |
| TECHNICAL OFFICER | | NANCY V. HEBRON-ISREAL | | | | 301-287-0178 | |
| NEGOTIATOR | | | | | | | |
| ADMINISTRATOR | | GORDANA ZUBER | | | | 301-415-5002 | |
| PAYMENTS | | | | | | gordana.zuber@nrc.gov | |
| 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 | | | |
| UNITED STATES OF AMERICA | | | | COOPERATIVE AGREEMENT RECIPIENT | | | |
| CONTRACTING/GRANT OFFICER ERIKA EAM | | DATE 08/09/2016 | | AUTHORIZED REPRESENTATIVE | | DATE | |

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

AUG 16 2016

ADM002

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 NRC-HQ-13-G-38-0003 ZEROREQ-OCHCO-16-0172</p> <p>The purpose of this modification is to extend the period of performance and to revise budget.</p> <p>As a result of this modification:</p> <p>1. ATTACHMENT A - SCHEDULE, A. Section 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 1, 2013. The completion date of this Grant is July 31, 2017.</p> <p>2. Funds obligated in this grants are available for program expenditures for the period: August 1, 2013 - July 31, 2017"</p> <p>B. Section 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 plus \$150,000.00 in cost share for a four year period."</p> <p>Please see additional page for approved revised budget.</p> <p>Payment: ASAP GRANT FUNDS REIMBURSEMENT SYS US TREASURY</p> <p>Period of Performance: 08/01/2013 to 07/31/2017</p> | | | | |