

# Grant and Cooperative Agreement

CHOOSE ONE:

- COOPERATIVE AGREEMENT
- GRANT

CHOOSE ONE:  EDUCATION  FACILITIES  RESEARCH  SDCR  TRAINING

|  |  |                               |  |   |             |                    |                 |                         |  |
|--|--|-------------------------------|--|---|-------------|--------------------|-----------------|-------------------------|--|
| 1. GRANT/COOPERATIVE AGREEMENT NUMBER<br>NRC-HQ-11-G-04-0085   |  | 2. SUPPLEMENT NUMBER<br>M0006 |  | 3. EFFECTIVE DATE<br>04/10/2014   |             | 4. COMPLETION DATE |                 |                         |  |
| 5. ISSUED TO<br>NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip)<br>UNIV TENNESSEE SYSTEM OFFICE<br>1331 CIR PARK DR<br>KNOXVILLE TN 379163801   |  |                               |  | 6. ISSUED BY U.S. NRC - HQ<br>Mailing Address: Acquisition Management Division<br>Mail Stop: 3WFN-05-C64MP<br>Washington DC 20555-0001  |             |                    |                 |                         |  |
| 7. TAXPAYER IDENTIFICATION NO. (TIN)   |  |                               |  | 9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone)<br>Dr. Robert Hatcher<br>Email: bobmap@utk.edu, Phone: 865-974-5066                                       |             |                    |                 |                         |  |
| 8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.   |  |                               |  |   |             |                    |                 |                         |  |
| 10. RESEARCH, PROJECT OR PROGRAM TITLE<br>Collaborative Research Project to Address Large Earthquake Seismology in the East Tennessee Seismic Zone   |  |                               |  |   |             |                    |                 |                         |  |
| 11. PURPOSE<br>See Schedule on next page.  |  |                               |  |   |             |                    |                 |                         |  |
| 12. PERIOD OF PERFORMANCE (Approximately)<br>09/26/2011 through 09/25/2015   |  |                               |  |   |             |                    |                 |                         |  |
| 13A.   |  | AWARD HISTORY                 |  |   | 13B.        |                    | FUNDING HISTORY |                         |  |
| PREVIOUS   |  | \$454,706.00                  |  |   | PREVIOUS    |                    | \$454,706.00    |                         |  |
| THIS ACTION  |  | \$0.00                        |  |   | THIS ACTION |                    | \$0.00          |                         |  |
| CASH SHARE   |  | \$0.00                        |  |   | TOTAL       |                    | \$454,706.00    |                         |  |
| NON-CASH SHARE   |  | \$0.00                        |  |   |             |                    |                 |                         |  |
| RECIPIENT SHARE  |  | \$0.00                        |  |   |             |                    |                 |                         |  |
| TOTAL  |  | \$454,706.00                  |  |   |             |                    |                 |                         |  |
| 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  |  | Scott Stovall                 |  |   |             | 301-251-7922       |                 | scott.stovall@nrc.gov   |  |
| NEGOTIATOR   |  |                               |  |   |             |                    |                 |                         |  |
| ADMINISTRATOR  |  | SUNSHINE WILSON               |  |   |             | 301-287-0900       |                 | Sunshine.Wilson@nrc.gov |  |
| PAYMENTS   |  |                               |  |   |             |                    |                 |                         |  |
| 16. THIS AWARD IS MADE UNDER THE AUTHORITY OF :<br>Pursuant to Section 31b and 141b of the Atomic Energy Act of 1953, as amended.  |  |                               |  |   |             |                    |                 |                         |  |
| 17. APPLICABLE STATEMENT(S), IF CHECKED:<br><input checked="" type="checkbox"/> NO CHANGE IS MADE TO EXISTING PROVISIONS<br><input type="checkbox"/> FDP TERMS AND CONDITIONS AND THE AGENCY-SPECIFIC REQUIREMENTS APPLY TO THIS GRANT |  |                               |  | 18. APPLICABLE ENCLOSURE(S), IF CHECKED:<br><input type="checkbox"/> PROVISIONS <input type="checkbox"/> SPECIAL CONDITIONS<br><input type="checkbox"/> REQUIRED PUBLICATIONS AND REPORTS |             |                    |                 |                         |  |
| UNITED STATES OF AMERICA   |  |                               |  | COOPERATIVE AGREEMENT RECIPIENT   |             |                    |                 |                         |  |
| CONTRACTING/GRANT OFFICER<br>SHASHI MALHOTRA   |  | DATE<br>04/15/2014            |  | AUTHORIZED REPRESENTATIVE   |             | DATE               |                 |                         |  |

**TEMPLATE - ADM001**

**SUNSI REVIEW COMPLETE**

**ADM002**

## Grant and Cooperative Agreement

| ITEM NO.<br>(A) | ITEM OR SERVICE (Include Specifications and Special Instructions)<br>(B)   | QUANTITY<br>(C) | UNIT<br>(D) | ESTIMATED COST    |               |
|-----------------|--|-----------------|-------------|-------------------|---------------|
|                 |  |                 |             | UNIT PRICE<br>(E) | AMOUNT<br>(F) |
|                 | <p>CFDA Number: 77.009<br/>           NRC-HQ-11-G-04-0085 - M0006<br/>           ZEROREQ-RES-14-0098</p> <p>The purpose of this modification is to extend the period of performance.</p> <p>As a result of this modification:</p> <p>1. ATTACHMENT A - SCHEDULE,<br/>           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 September 26, 2011. The completion date of this Grant is September 25, 2015.</p> <p>2. Funds obligated in this grants are available for program expenditures for the period:<br/>           September 26, 2011 - September 25, 2015</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 \$454,706.00 for a four year period.</p> <p>Payment:<br/>           ASAP GRANT FUNDS REIMBURSEMENT SYS<br/>           US TREASURY</p> <p>Period of Performance: 09/26/2011 to 09/25/2015<br/>           All other terms and conditions remain the same</p> |                 |             |                   |               |