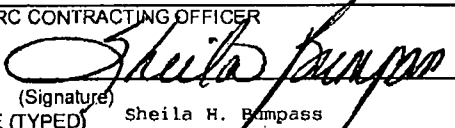


**U.S. NUCLEAR REGULATORY COMMISSION
NOTICE OF GRANT/ASSISTANCE AWARD**

| | | | | | | | |
|---|--|--|--|--|--|---|--|
| 1. GRANT/AGREEMENT NO. NRC-04-09-156 | | 2. MODIFICATION NO. M005 | | 3. PERIOD OF PERFORMANCE FROM: 07/30/2009 TO: 08/31/2011 | | 4. AUTHORITY Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended | |
| 5. TYPE OF AWARD <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> COOPERATIVE AGREEMENT | | 6. ORGANIZATION TYPE Public Institution of Higher ED DUNS: 111310249 NAICS: 611310 | | 7. RECIPIENT NAME, ADDRESS, and EMAIL ADDRESS SOUTH CAROLINA RESEARCH FOUNDATION 901 SUMTER ST STE 511 COLUMBIA SC 292080001 | | | |
| 8. PROJECT TITLE: Joint Time-Frequency Domain Reflectometry (JTFDR) for Diagnostics of Aging Electric Cables in Nuclear Power Plants | | | | | | | |
| 9. PROJECT WILL BE CONDUCTED PER GOVERNMENT'S/RECIPIENT'S PROPOSAL(S) DATED December 8, 2008 AND APPENDIX A-PROJECT GRANT PROVISIONS | | 10. TECHNICAL REPORTS ARE REQUIRED <input checked="" type="checkbox"/> PROGRESS AND FINAL <input type="checkbox"/> FINAL ONLY <input type="checkbox"/> OTHER (Conference Proceedings) | | 11. PRINCIPAL INVESTIGATOR(S) NAME, ADDRESS and EMAIL ADDRESS Dr. Yong-June Shin Department of Electrical Engineering University of South Carolina 301 S. Main Street Columbia SC 29208 email: shinjune@engr.sc.edu | | | |
| 12. NRC PROGRAM OFFICE (NAME and ADDRESS) US Nuclear Regulatory Commission Darrell Murdock, RES/DE/MEEB 21 Church Street MS CSB-5A24M Rockville MD 20850 301-251-7629 | | 13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200.160 B&R NO: 201160116119 JOB CODE: G6674 BOC NO: 4110 OFFICE ID NO: RES-11-276 FAMIS: GR0088 | | 14. METHOD OF PAYMENT <input type="checkbox"/> ADVANCE BY TREASURY CHECK <input type="checkbox"/> REIMBURSEMENT BY TREASURY CHECK <input type="checkbox"/> LETTER OF CREDIT <input checked="" type="checkbox"/> OTHER (SPECIFY) Electronic ASAP.gov (See Remarks in Item #20 "Payment Information") | | | |
| 15. NRC OBLIGATION FUNDS | | 16. TOTAL FUNDING AGREEMENT | | | | | |
| THIS ACTION | | \$9,700.00 | | NRC | | \$170,000.00 | |
| PREVIOUS OBLIGATION | | \$160,300.00 | | RECIPIENT | | \$0.00 | |
| TOTAL | | \$170,000.00 | | TOTAL | | \$170,000.00 | |
| 17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: M'Lita Carr MLita.Carr@nrc.gov Mail Stop: TWB-01-B10M Washington, DC 20555 | | | | | | | |
| 18. Acceptance of or objections to the Terms and Conditions of Award must be Emailed to the NRC Issuing Office (Block #17) within three (3) business days following the Award issue date. NRC considers lack of response as acceptance by the grantee of the terms and conditions of award. | | | | 19. NRC CONTRACTING OFFICER  (Signature) _____ (Date) 9/1/2011 NAME (TYPED) Sheila H. Bumpass TITLE Contracting Officer TELEPHONE NO. 301-492-3484 | | | |
| 20. PAYMENT INFORMATION Payment will be made through the Automated Standard Application for Payment (ASAP.gov) unless the recipient has failed to comply with the program objectives, award conditions, Federal reporting requirements or other conditions specified in 2 CFR 215 (OMB Circular A110). | | | | | | | |
| 21. Attached is a copy of the "NRC General Provisions for Grants and Cooperative Agreements Awarded to Non-Government Recipients. Acceptance of these terms and conditions is acknowledged when Federal funds are used on this project. | | | | | | | |
| 22. ORDER OF PRECEDENCE In the event of a conflict between the recipient's proposal and this award, the terms of the Award shall prevail. | | | | | | | |
| 23. By this award, the Recipient certifies that payment of any audit-related debt will not reduce the level of performance of any Federal Program. | | | | | | | |

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

ADM002

DESCRIPTION OF MODIFICATION

The purpose for modification number 005 is to:

1. Provide incremental funding in the amount of \$9,700.00.

As a result of this modification:

1. The amount obligated has increased by \$9,700.00 which increased the total amount obligated from \$160,300.00 to \$170,000.00 to fully fund the grant.

Base Period: July 30, 2009 – August 31, 2011 (unchanged)
Assistance Award Ceiling: \$170,000.00 (unchanged)
NRC Total Obligated Amount: \$170,000.00 (changed)

All terms and conditions remain the same.
