

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

1. GRANT/AGREEMENT NO. NRC-04-09-156	2. MODIFICATION NO. M002	3. PERIOD OF PERFORMANCE FROM: 7/30/2009 TO: 8/31/2011	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 111310249	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/Prognostics 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 St. Columbia SC 29208 email: shinjune@engr.sc.edu													
12. NRC PROGRAM OFFICE (NAME and ADDRESS) Satish Aggarwal, RES/DE/MEEB 21 Church Street MS CSB-5A24M Rockville, MD 20850 tel: 301-251-7663	13. ACCOUNTING and APPROPRIATION DATA APPN. NO: 31X0200.960 B&R NO: 060-15-111-195 JOB CODE: G6674 BOC NO: 4110 OFFICE ID NO: FFS-RES-C10-560		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 <table style="width:100%;"> <tr> <td style="width:50%;">THIS ACTION</td> <td style="width:50%; text-align: right;">\$21,000.00</td> </tr> <tr> <td>PREVIOUS OBLIGATION</td> <td style="text-align: right;">\$49,900.00</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$70,900.00</td> </tr> </table>		THIS ACTION	\$21,000.00	PREVIOUS OBLIGATION	\$49,900.00	TOTAL	\$70,900.00	16. TOTAL FUNDING AGREEMENT <table style="width:100%;"> <tr> <td style="width:50%;">NRC</td> <td style="width:50%; text-align: right;">\$170,000.00</td> </tr> <tr> <td>RECIPIENT</td> <td style="text-align: right;">0.0</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: right;">\$170,000.00</td> </tr> </table> <p style="text-align: right;">This action provides funds for Fiscal Year 10 in the amount of \$21,000.00</p>		NRC	\$170,000.00	RECIPIENT	0.0	TOTAL	\$170,000.00
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RECIPIENT	0.0														
TOTAL	\$170,000.00														
17. NRC ISSUING OFFICE (NAME, ADDRESS and EMAIL ADDRESS) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Daniel App 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 <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> (Signature) NAME (TYPED) Michael Mills </div> <div style="text-align: center;"> 3/24/10 (Date) </div> </div> <div style="margin-top: 10px;"> TITLE Contracting Officer TELEPHONE NO. 301-492-3621 </div>													
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

The purpose of this modification is to provide incremental funding in the amount of \$21,000.00, thereby increasing the obligated amount from \$49,900.00 to \$70,900.00.

Period of Performance: 7/30/2009 – 8/31/2011
Obligated Amount: \$70,900.00
Ceiling Amount: \$170,000.00

All other terms and conditions remain unchanged.